

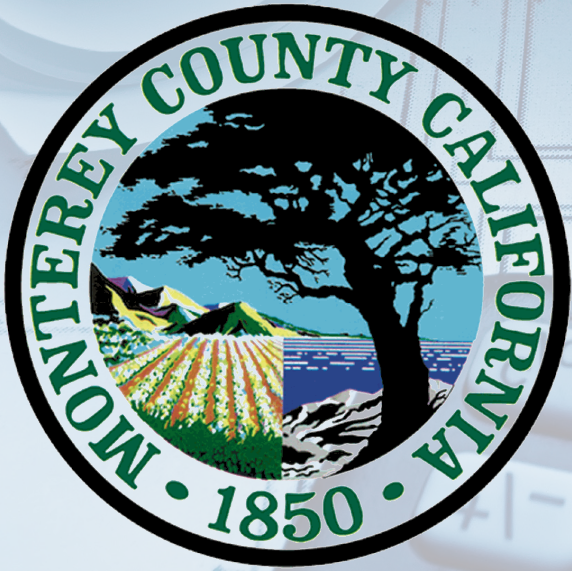


BUY SMART. BUILD BETTER.

JOB ORDER CONTRACT CONSTRUCTION TASK CATALOG®

BOOK 1 OF 1 CSI DIVISIONS 01 - 43 SEPTEMBER 2016

MONTEREY COUNTY
ROADS AND BRIDGES



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in September 2016.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

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

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

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

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

Demolition:

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

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

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

The Adjustment Factors Include:

BUSINESS COSTS:

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

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

CONSTRUCTION RELATED COSTS:

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

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

PRICE VARIATIONS:

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

GENERAL COSTS:

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

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Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
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- ☑ No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

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

FIELD ENGINEERING:

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

ASSEMBLIES:

- ☑ Assembly unit prices take precedence over individual component pricing.

TESTING:

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

MISCELLANEOUS:

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

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

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

SPECIFICATIONS:

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

Useful Information:

UNIT OF MEASURE DEFINITIONS:

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

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

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

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

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

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

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

STANDARD GEOMETRY:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius² = π (diameter² / 4)

Cylinder

- Volume = (π radius²)height
- Surface Area = 2 π radius²+(2 π radius)height

Sphere

- Volume = (4 π radius³) / 3

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

$\pi = 3.14159$

United Inch

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

TRADEMARKS

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

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

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 **Negotiated Travel Costs** ^(01 22 16)
 Note: To be used only at the request of authorized personal for non-commuting travel costs.

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

01 22 16 00-0003 **Reimbursable Fees** ^(01 22 16)
 Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

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

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 **Local Labor/Wage Rates** ^(01 22 20)
 Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Removal Worker 59.96
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 3.00
For Apprentice, Deduct -11.99

01 22 20 00-0003 HR Brick Layer 76.29
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 3.81
For Apprentice, Deduct -15.26

01 22 20 00-0004 HR Carpenter 78.49
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 3.92
For Apprentice, Deduct -15.70

01 22 20 00-0005 HR Carpenter, Bridge Builder 86.62
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct -17.32

01 22 20 00-0006 HR Cement Mason 66.28
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 3.31
For Apprentice, Deduct -13.26

01 22 20 00-0007 HR Electrician 85.68
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 4.28
For Apprentice, Deduct -17.14

01 22 20 00-0008 HR Electrician, Cable Splicer 87.11
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct -17.42

01 22 20 00-0009 HR Electrical Groundman 87.11
 Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.
For Foreman, Add 4.36
For Apprentice, Deduct -17.42

01 22 20 00-0010 HR High Voltage Electrician, (Utility Lineman) 83.72
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 4.19
For Apprentice, Deduct -16.74

01 22 20 00-0011 HR Communication And System Technician 67.79
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Apprentice, Deduct -13.56

01 22 20 00-0012 HR Equipment Operator, Heavy (Crane) 81.62
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 4.08
For Apprentice, Deduct -16.32

01 22 20 00-0013 HR Equipment Operator, Medium (Bulldozer) 76.84
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 3.84
For Apprentice, Deduct -15.37

01 22 20 00-0014 HR Equipment Operator, Light (Backhoe, Bobcat) 71.92
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreman, Add 3.60
For Apprentice, Deduct -14.38

01 22 20 00-0015 HR Laborer 69.78
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0016 HR Landscape Maintenance Laborer.....	11.43	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017 HR Millwright.....	80.13	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.01	
For Apprentice, Deduct	-16.03	
01 22 20 00-0018 HR Mold Removal Worker.....	64.78	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.24	
For Apprentice, Deduct	-12.96	
01 22 20 00-0019 HR Painter, Ordinary.....	73.01	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.65	
For Apprentice, Deduct	-14.60	
01 22 20 00-0020 HR Painter, Structural Steel.....	89.49	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.47	
For Apprentice, Deduct	-17.90	
01 22 20 00-0021 HR Pile Drivers.....	91.74	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.59	
For Apprentice, Deduct	-18.35	
01 22 20 00-0022 HR Plasterer.....	70.32	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.52	
For Apprentice, Deduct	-14.06	
01 22 20 00-0023 HR Plumber.....	83.87	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.19	
For Apprentice, Deduct	-16.77	
01 22 20 00-0024 HR Powderman.....	62.93	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.15	
For Apprentice, Deduct	-12.59	
01 22 20 00-0025 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	81.82	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.09	
For Apprentice, Deduct	-16.36	
01 22 20 00-0026 HR Sheet Metal Worker.....	89.48	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.47	
For Apprentice, Deduct	-17.90	
01 22 20 00-0027 HR Stone Mason.....	76.29	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.81	
For Apprentice, Deduct	-15.26	
01 22 20 00-0028 HR Structural Steel Worker.....	86.45	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.32	
For Apprentice, Deduct	-17.29	
01 22 20 00-0029 HR Tile Layer.....	69.07	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.45	
For Apprentice, Deduct	-13.81	
01 22 20 00-0030 HR Terrazzo Worker.....	79.24	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.96	
For Apprentice, Deduct	-15.85	
01 22 20 00-0031 HR Truck Driver, Light.....	64.17	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.21	
For Apprentice, Deduct	-12.83	
01 22 20 00-0032 HR Truck Driver, Heavy.....	64.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.23	
For Apprentice, Deduct	-12.92	
01 22 20 00-0033 HR D1 Certified Welder.....	94.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0034 Rates For Services (01 22 20)		
01 22 20 00-0035 HR Watchman/Guard, Unarmed.....	16.78	
01 22 20 00-0036 HR Watchman/Guard, Armed.....	24.64	
01 22 20 00-0037 HR OSHA Testing.....	71.25	
01 22 20 00-0038 HR Investigating Engineer Or Specialty Consultant.....	80.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0039 HR Investigating Senior Engineer Or Specialty Consultant.....	125.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0040 HR Industrial Hygienist.....	72.72	
01 22 20 00-0041 HR On-Site Certified Materials Testing Technician.....	57.00	
01 22 20 00-0042 HR Certified Industrial Hygienist.....	125.30	
01 22 20 00-0043 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0044 EA Security Badge, Processing Fee.....	45.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0045 HR Biologist	132.00	
01 22 20 00-0046 HR Ecologist	145.00	
01 22 20 00-0047 Rates For Traffic Control (01 22 20)		
01 22 20 00-0048 HR Flagperson For Traffic Control	60.88	
01 22 20 00-0049 DAY Pilot Vehicle With Driver	741.83	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0050 HR California Highway Patrol Officer With Car	49.46	
For Each Mile, Add		
01 22 20 00-0051 HR California Highway Patrol Officer With Motorcycle	51.22	
For Each Mile, Add		
01 22 20 00-0052 HR California Highway Patrol Sergeant Officer With Car	62.13	
For Each Mile, Add		
01 22 20 00-0053 HR California Highway Patrol Sergeant Officer With Motorcycle	62.28	
For Each Mile, Add		
01 22 20 00-0054 Mobilize Equipment (01 22 20)		
01 22 20 00-0055 HR Escort Vehicle With Driver	77.33	
01 22 20 00-0056 HR Transport Vehicle With Driver	96.80	
01 22 23 Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Manlifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Manlift	484.90	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Manlift	1,220.08	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift	2,737.35	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift	711.71	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift	1,697.16	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift	3,714.98	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift	1,384.32	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift	3,355.21	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift	7,038.90	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift	1,970.89	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift	4,745.78	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Manlift	11,825.35	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Manlift	2,401.05	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Manlift	6,123.84	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Manlift	13,921.38	
01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Manlift	361.96	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Manlift	908.18	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Manlift	2,184.89	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Manlift	460.67	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Manlift	1,006.89	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Manlift	2,499.46	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Manlift	592.29	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Manlift	1,368.85	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Manlift	3,060.16	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Manlift	1,033.22	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Manlift	2,434.97	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Manlift	5,921.58	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Manlift	2,007.20	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Manlift	4,738.32	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Manlift	11,582.56	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Manlift	361.96	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Manlift	908.18	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Manlift	2,184.89	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Manlift	361.96	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Manlift	908.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Manlift	2,184.89	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Manlift	447.51	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Manlift	967.41	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Manlift	2,402.06	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Manlift	447.51	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Manlift	967.41	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Manlift	2,402.06	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift	169.58	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift	339.15	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift	693.72	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift	184.99	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift	369.98	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift	739.97	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift	238.95	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift	477.90	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift	1,025.16	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift	308.32	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift	608.93	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift	1,348.90	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift	331.44	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift	647.47	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift	1,464.52	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift	431.65	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift	1,071.41	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift	2,983.00	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift	346.86	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift	678.30	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift	1,657.22	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift	354.57	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift	809.34	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift	1,772.84	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift	393.11	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift	901.84	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift	2,004.08	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift	416.23	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift	971.21	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift	2,389.48	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift	778.51	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift	1,711.18	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift	4,208.57	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift	168.75	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift	478.12	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift	965.62	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift	234.38	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift	496.88	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift	975.00	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift	393.75	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift	956.25	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift	2,793.75	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift	421.88	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift	1,050.00	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift	3,159.38	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift	225.00	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift	450.00	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift	900.00	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift	225.00	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift	450.00	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift	935.62	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 48' Bucket Truck With Full-Time Operator	936.65	
For Equipment Without Operator, Deduct	-516.65	
01 22 23 00-0107 WK 48' Bucket Truck With Full-Time Operator	4,083.24	
For Equipment Without Operator, Deduct	-2,583.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0108 MO 48' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,434.67	-11,134.67
01 22 23 00-0109 Air Equipment (01 22 23)		
01 22 23 00-0110 Air Compressors (01 22 23 00-0109) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0111 DAY 100 CFM Diesel Powered Portable Air Compressor	180.25	
01 22 23 00-0112 WK 100 CFM Diesel Powered Portable Air Compressor	540.74	
01 22 23 00-0113 MO 100 CFM Diesel Powered Portable Air Compressor	1,502.06	
01 22 23 00-0114 DAY 130 CFM Diesel Powered Portable Air Compressor	216.30	
01 22 23 00-0115 WK 130 CFM Diesel Powered Portable Air Compressor	636.87	
01 22 23 00-0116 MO 130 CFM Diesel Powered Portable Air Compressor	1,802.48	
01 22 23 00-0117 DAY 185 CFM Diesel Powered Portable Air Compressor	288.40	
01 22 23 00-0118 WK 185 CFM Diesel Powered Portable Air Compressor	648.89	
01 22 23 00-0119 MO 185 CFM Diesel Powered Portable Air Compressor	1,429.96	
01 22 23 00-0120 DAY 375 CFM Diesel Powered Portable Air Compressor	408.56	
01 22 23 00-0121 WK 375 CFM Diesel Powered Portable Air Compressor	1,033.42	
01 22 23 00-0122 MO 375 CFM Diesel Powered Portable Air Compressor	2,463.38	
01 22 23 00-0123 DAY 600 CFM Diesel Powered Portable Air Compressor	908.45	
01 22 23 00-0124 WK 600 CFM Diesel Powered Portable Air Compressor	2,187.00	
01 22 23 00-0125 MO 600 CFM Diesel Powered Portable Air Compressor	5,450.68	
01 22 23 00-0126 DAY 750 CFM Diesel Powered Portable Air Compressor	1,093.50	
01 22 23 00-0127 WK 750 CFM Diesel Powered Portable Air Compressor	2,691.70	
01 22 23 00-0128 MO 750 CFM Diesel Powered Portable Air Compressor	6,609.08	
01 22 23 00-0129 DAY 825 CFM Diesel Powered Portable Air Compressor	1,093.50	
01 22 23 00-0130 WK 825 CFM Diesel Powered Portable Air Compressor	2,691.70	
01 22 23 00-0131 MO 825 CFM Diesel Powered Portable Air Compressor	6,609.08	
01 22 23 00-0132 DAY 1,300 CFM Diesel Powered Portable Air Compressor	1,273.75	
01 22 23 00-0133 WK 1,300 CFM Diesel Powered Portable Air Compressor	2,855.12	
01 22 23 00-0134 MO 1,300 CFM Diesel Powered Portable Air Compressor	7,613.65	
01 22 23 00-0135 DAY 1,600 CFM Diesel Powered Portable Air Compressor	1,586.18	
01 22 23 00-0136 WK 1,600 CFM Diesel Powered Portable Air Compressor	3,568.90	
01 22 23 00-0137 MO 1,600 CFM Diesel Powered Portable Air Compressor	9,517.07	
01 22 23 00-0138 Negative Air Machines (01 22 23 00-0109) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0139 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	56.00	
01 22 23 00-0140 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	230.00	
01 22 23 00-0141 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	695.00	
01 22 23 00-0142 EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine Note: Required if over 800 hours operation.	200.74	
01 22 23 00-0143 LF Discharge Flexible Duct For Negative Air Machine	1.25	
01 22 23 00-0144 Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0145 Pavers And Rollers (01 22 23 00-0144) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0146 Pavers (01 22 23 00-0145)		
01 22 23 00-0147 DAY 10' Wide Paving Machine With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,596.31	-614.74
01 22 23 00-0148 WK 10' Wide Paving Machine With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,018.43	-3,073.71
01 22 23 00-0149 MO 10' Wide Paving Machine With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,540.20	-13,248.74
01 22 23 00-0150 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0145)		
01 22 23 00-0151 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,030.04	-614.74
01 22 23 00-0152 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,329.82	-3,073.71
01 22 23 00-0153 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,658.59	-13,248.74
01 22 23 00-0154 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,190.33	-614.74
01 22 23 00-0155 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,521.81	-3,073.71
01 22 23 00-0156 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,458.23	-13,248.74
01 22 23 00-0157 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,197.62	-614.74
01 22 23 00-0158 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,048.22	-3,073.71
01 22 23 00-0159 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,807.96	-13,248.74
01 22 23 00-0160 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0145)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0161 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,095.62 -614.74	
01 22 23 00-0162 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,407.05 -3,073.71	
01 22 23 00-0163 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,103.03 -13,248.74	
01 22 23 00-0164 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,401.63 -614.74	
01 22 23 00-0165 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,026.36 -3,073.71	
01 22 23 00-0166 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,055.68 -13,248.74	
01 22 23 00-0167 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,474.49 -614.74	
01 22 23 00-0168 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,485.38 -3,073.71	
01 22 23 00-0169 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,338.02 -13,248.74	
01 22 23 00-0170 Towed, Padfoot Rollers (01 22 23 00-0145)		
01 22 23 00-0171 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	138.43	
01 22 23 00-0172 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	400.73	
01 22 23 00-0173 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,180.33	
01 22 23 00-0174 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	174.86	
01 22 23 00-0175 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	488.16	
01 22 23 00-0176 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,076.51	
01 22 23 00-0177 Static Rollers (01 22 23 00-0145)		
01 22 23 00-0178 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,132.05 -614.74	
01 22 23 00-0179 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,720.35 -3,073.71	
01 22 23 00-0180 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,130.36 -13,248.74	
01 22 23 00-0181 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,292.34 -614.74	
01 22 23 00-0182 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,157.51 -3,073.71	
01 22 23 00-0183 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,339.84 -13,248.74	
01 22 23 00-0184 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0145)		
01 22 23 00-0185 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	898.89 -614.74	
01 22 23 00-0186 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,904.31 -3,073.71	
01 22 23 00-0187 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,434.54 -13,248.74	
01 22 23 00-0188 DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,008.18 -614.74	
01 22 23 00-0189 WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,232.18 -3,073.71	
01 22 23 00-0190 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,081.04 -614.74	
01 22 23 00-0191 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,450.76 -3,073.71	
01 22 23 00-0192 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,891.74 -13,248.74	
01 22 23 00-0193 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,175.76 -614.74	
01 22 23 00-0194 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,727.63 -3,073.71	
01 22 23 00-0195 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,613.05 -13,248.74	
01 22 23 00-0196 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,365.20 -614.74	
01 22 23 00-0197 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,281.37 -3,073.71	
01 22 23 00-0198 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,077.54 -13,248.74	
01 22 23 00-0199 Steel Plates (01 22 23 00-0144) Note: 3 day minimum.		
01 22 23 00-0200 DAY 1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0201 WK 1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0202 MO 1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0203 DAY 1" x 4' x 10' Steel Plate.....	25.00	
01 22 23 00-0204 WK 1" x 4' x 10' Steel Plate.....	56.25	
01 22 23 00-0205 MO 1" x 4' x 10' Steel Plate.....	68.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0206	DAY	1"	5' x 10' Steel Plate	26.04	
01 22 23 00-0207	WK	1"	5' x 10' Steel Plate	58.85	
01 22 23 00-0208	MO	1"	5' x 10' Steel Plate	156.24	
01 22 23 00-0209	DAY	1"	6' x 8' Steel Plate	16.67	
01 22 23 00-0210	WK	1"	6' x 8' Steel Plate	37.50	
01 22 23 00-0211	MO	1"	6' x 8' Steel Plate	99.99	
01 22 23 00-0212	DAY	1"	6' x 10' Steel Plate	31.25	
01 22 23 00-0213	WK	1"	6' x 10' Steel Plate	41.14	
01 22 23 00-0214	MO	1"	6' x 10' Steel Plate	109.89	
01 22 23 00-0215	DAY	1"	6' x 12' Steel Plate	43.75	
01 22 23 00-0216	WK	1"	6' x 12' Steel Plate	55.99	
01 22 23 00-0217	MO	1"	6' x 12' Steel Plate	151.55	
01 22 23 00-0218	DAY	1"	8' x 10' Steel Plate	27.60	
01 22 23 00-0219	WK	1"	8' x 10' Steel Plate	61.98	
01 22 23 00-0220	MO	1"	8' x 10' Steel Plate	165.09	
01 22 23 00-0221	DAY	1"	8' x 12' Steel Plate	50.00	
01 22 23 00-0222	WK	1"	8' x 12' Steel Plate	61.98	
01 22 23 00-0223	MO	1"	8' x 12' Steel Plate	299.98	
01 22 23 00-0224	DAY	1"	8' x 16' Steel Plate	66.66	
01 22 23 00-0225	WK	1"	8' x 16' Steel Plate	149.99	
01 22 23 00-0226	MO	1"	8' x 16' Steel Plate	399.97	
01 22 23 00-0227	DAY	1-1/4"	8' x 10' Steel Plate	33.12	
01 22 23 00-0228	WK	1-1/4"	8' x 10' Steel Plate	74.37	
01 22 23 00-0229	MO	1-1/4"	8' x 10' Steel Plate	198.11	
01 22 23 00-0230	DAY	1-1/2"	8' x 15' Steel Plate	76.66	
01 22 23 00-0231	WK	1-1/2"	8' x 15' Steel Plate	172.49	
01 22 23 00-0232	MO	1-1/2"	8' x 15' Steel Plate	459.97	
01 22 23 00-0233	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.68	0.86
01 22 23 00-0234	EA		Remove And Reset Trench Plate	22.69	

01 22 23 00-0235

Street Sweepers (01 22 23 00-0144)

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

01 22 23 00-0236	DAY	8'	Broom Sweeper With Full-Time Operator	838.75	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0237	WK	8'	Broom Sweeper With Full-Time Operator	3,590.96	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0238	MO	8'	Broom Sweeper With Full-Time Operator	14,665.59	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0239	DAY		Self-Propelled Street Sweeper With Hopper And Full-Time Operator	1,026.70	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0240	WK		Self-Propelled Street Sweeper With Hopper And Full-Time Operator	4,937.35	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0241	MO		Self-Propelled Street Sweeper With Hopper And Full-Time Operator	20,225.66	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	

01 22 23 00-0242

Earthmoving Equipment (01 22 23)

01 22 23 00-0243

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

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

01 22 23 00-0244	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	912.50	
		<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0245	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,761.34	
		<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0246	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	14,530.53	
		<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0247	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	1,001.36	
		<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0248	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,922.14	
		<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0249	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	14,883.15	
		<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0250	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	1,026.75	
		<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0251	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	4,153.46	
		<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0252	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	15,496.72	
		<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0253	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,125.49	
		<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0254	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	4,477.88	
		<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0255	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	16,568.70	
		<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0256	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,294.75	
		<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0257	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	5,119.66	
		<i>For Equipment Without Operator, Deduct</i>	-2,876.96	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0258	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	18,148.46
		<i>For Equipment Without Operator, Deduct</i>	-12,400.67
01 22 23 00-0259	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	282.10
01 22 23 00-0260	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	937.98
01 22 23 00-0261	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,496.58
01 22 23 00-0262	DAY	Forklift Attachment For Skid-Steer Loaders	60.65
01 22 23 00-0263	WK	Forklift Attachment For Skid-Steer Loaders	162.21
01 22 23 00-0264	MO	Forklift Attachment For Skid-Steer Loaders	458.41
01 22 23 00-0265	DAY	Backhoe Attachment For Skid-Steer Loaders	134.00
01 22 23 00-0266	WK	Backhoe Attachment For Skid-Steer Loaders	321.59
01 22 23 00-0267	MO	Backhoe Attachment For Skid-Steer Loaders	799.75
01 22 23 00-0268	DAY	Broom Attachment For Skid-Steer Loaders	132.59
01 22 23 00-0269	WK	Broom Attachment For Skid-Steer Loaders	359.68
01 22 23 00-0270	MO	Broom Attachment For Skid-Steer Loaders	952.09
01 22 23 00-0271	DAY	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	88.86
01 22 23 00-0272	WK	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	282.10
01 22 23 00-0273	MO	9", 12", Or 16" Auger Attachment For Skid-Steer Loaders	669.99

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

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

01 22 23 00-0275	DAY	70 HP, D3 Bulldozer With Full-Time Operator	999.31
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0276	WK	70 HP, D3 Bulldozer With Full-Time Operator	4,590.21
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0277	MO	70 HP, D3 Bulldozer With Full-Time Operator	17,747.46
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0278	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,180.71
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0279	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	5,323.07
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0280	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	19,996.82
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0281	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,695.88
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0282	WK	140 HP, D6 Bulldozer With Full-Time Operator	7,383.77
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0283	MO	140 HP, D6 Bulldozer With Full-Time Operator	26,164.42
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0284	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,153.01
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0285	WK	200 HP, D7 Bulldozer With Full-Time Operator	9,219.54
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0286	MO	200 HP, D7 Bulldozer With Full-Time Operator	31,678.98
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0287	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,697.21
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0288	WK	335 HP, D8 Bulldozer With Full-Time Operator	11,396.34
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0289	MO	335 HP, D8 Bulldozer With Full-Time Operator	38,209.38
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0290	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,001.96
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0291	WK	460 HP, D9 Bulldozer With Full-Time Operator	12,608.09
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0292	MO	460 HP, D9 Bulldozer With Full-Time Operator	41,837.38
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74

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

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

01 22 23 00-0294	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	1,941.30
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0295	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	8,379.93
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0296	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	29,149.24
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0297	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,477.37
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0298	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	10,524.23
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0299	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	35,600.30
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74
01 22 23 00-0300	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	2,995.27
		<i>For Equipment Without Operator, Deduct</i>	-614.74
01 22 23 00-0301	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	12,586.75
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71
01 22 23 00-0302	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	41,778.78
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74

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

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0304 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator.....	993.71	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0305 WK 3/8 CY Hydraulic Excavator With Full-Time Operator.....	4,414.15	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0306 MO 3/8 CY Hydraulic Excavator With Full-Time Operator.....	17,740.26	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0307 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator.....	1,100.39	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0308 WK 1/2 CY Hydraulic Excavator With Full-Time Operator.....	4,884.35	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0309 MO 1/2 CY Hydraulic Excavator With Full-Time Operator.....	19,621.08	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0310 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator.....	1,134.07	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0311 WK 5/8 CY Hydraulic Excavator With Full-Time Operator.....	5,059.80	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0312 MO 5/8 CY Hydraulic Excavator With Full-Time Operator.....	19,929.88	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0313 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator.....	1,169.16	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0314 WK 3/4 CY Hydraulic Excavator With Full-Time Operator.....	5,221.22	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0315 MO 3/4 CY Hydraulic Excavator With Full-Time Operator.....	20,238.67	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0316 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	1,197.23	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0317 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	5,389.65	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0318 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator.....	20,547.46	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0319 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	1,576.21	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0320 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	6,898.52	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0321 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator.....	24,723.17	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0322 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	1,632.35	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0323 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	7,144.15	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0324 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator.....	25,460.06	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0325 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	1,737.62	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0326 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	7,565.23	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0327 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator.....	26,723.30	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0328 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	1,856.93	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0329 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	8,035.44	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0330 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	28,126.90	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0331 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	1,892.02	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0332 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	8,175.80	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0333 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator.....	28,547.98	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0334 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,228.88	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0335 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	9,530.27	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0336 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	32,618.42	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0337 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,713.12	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0338 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	11,453.20	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0339 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	38,373.18	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0340 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,309.65	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0341 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	13,839.32	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0342 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	45,531.54	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0343 DAY Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	1,765.69	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0344 WK Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	7,663.48	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0345 MO Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator.....	27,004.02	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0346	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	98.25	
01 22 23 00-0347	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	378.97	
01 22 23 00-0348	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,122.88	
01 22 23 00-0349	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	435.12	
01 22 23 00-0350	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,150.95	
01 22 23 00-0351	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,221.26	
01 22 23 00-0352	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	673.73	
01 22 23 00-0353	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,719.41	
01 22 23 00-0354	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,470.47	
01 22 23 00-0355	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	940.41	
01 22 23 00-0356	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,533.50	
01 22 23 00-0357	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	7,102.22	
01 22 23 00-0358	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	196.50	
01 22 23 00-0359	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	786.02	
01 22 23 00-0360	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,358.05	
01 22 23 00-0361	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	280.72	
01 22 23 00-0362	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,122.88	
01 22 23 00-0363	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,368.64	
01 22 23 00-0364	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	308.79	
01 22 23 00-0365	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,221.13	
01 22 23 00-0366	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,649.36	

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

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

01 22 23 00-0368	DAY	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	909.50	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0369	WK	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	3,908.85	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0370	MO	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	15,087.46	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0371	DAY	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	916.51	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0372	WK	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	3,929.91	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0373	MO	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	15,529.59	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0374	DAY	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	951.60	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0375	WK	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	4,028.16	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0376	MO	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	15,592.75	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0377	DAY	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	965.64	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0378	WK	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	4,077.28	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0379	MO	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	15,620.82	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0380	DAY	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	1,049.86	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0381	WK	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	4,147.46	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0382	MO	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	16,434.91	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0383	DAY	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	1,056.87	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0384	WK	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,498.36	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0385	MO	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	16,470.00	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	

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

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

01 22 23 00-0387	DAY	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	1,877.69	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0388	WK	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	6,390.10	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0389	MO	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	23,370.54	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	

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

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

01 22 23 00-0391	DAY	60 HP Road Grader With Full-Time Operator	1,365.97	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0392	WK	60 HP Road Grader With Full-Time Operator	5,105.88	
		<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0393	MO	60 HP Road Grader With Full-Time Operator	19,326.00	
		<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0394	DAY	80 HP Road Grader With Full-Time Operator	1,587.49	
		<i>For Equipment Without Operator, Deduct</i>	-614.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0395 WK 80 HP Road Grader With Full-Time Operator	5,722.28	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0396 MO 80 HP Road Grader With Full-Time Operator	21,194.45	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0397 DAY 130 HP Road Grader With Full-Time Operator	1,741.40	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0398 WK 130 HP Road Grader With Full-Time Operator	6,408.27	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0399 MO 130 HP Road Grader With Full-Time Operator	23,243.34	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0400 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0242)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0401 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,120.00	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0402 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,273.70	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0403 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	16,072.78	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0404 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,174.14	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0405 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,463.17	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0406 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	17,227.66	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0407 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,257.59	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0408 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,670.69	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0409 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	17,823.15	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0410 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,629.77	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0411 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	5,780.46	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0412 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	20,999.07	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0413 Heavy Duty Construction Loaders <small>(01 22 23 00-0242)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0414 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,116.77	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0415 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	5,058.65	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0416 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	19,195.84	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0417 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,533.84	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0418 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,514.34	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0419 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	19,427.54	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0420 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,626.52	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0421 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	5,761.49	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0422 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	20,045.42	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0423 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,881.39	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0424 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	11,569.56	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0425 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	21,744.59	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0426 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,537.89	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0427 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,750.87	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0428 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	36,264.77	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0429 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,862.97	
<i>For Equipment Without Operator, Deduct</i>	-614.74	
01 22 23 00-0430 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	23,363.13	
<i>For Equipment Without Operator, Deduct</i>	-3,073.71	
01 22 23 00-0431 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	68,542.90	
<i>For Equipment Without Operator, Deduct</i>	-13,248.74	
01 22 23 00-0432 Shoring <small>(01 22 23 00-0242)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0433 Aluminum Hydraulic Shoring <small>(01 22 23 00-0432)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0434	WK		2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	30.17	
01 22 23 00-0435	MO		2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	88.99	
01 22 23 00-0436	WK		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	40.47	
01 22 23 00-0437	MO		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	119.38	
01 22 23 00-0438	WK		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	75.05	
01 22 23 00-0439	MO		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	221.40	
01 22 23 00-0440	EA		Set-up And Remove Aluminum Hydraulic Shores, 1 Cylinder.....	21.91	
01 22 23 00-0441	EA		Set-up And Remove Aluminum Hydraulic Shores, 2 Cylinders.....	35.05	
01 22 23 00-0442	EA		Set-up And Remove Aluminum Hydraulic Shores, 3 Cylinders.....	58.41	
01 22 23 00-0443 Trench Boxes/Trench Shields <small>(01 22 23 00-0242)</small>					
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.					
01 22 23 00-0444	WK		4' x 6' Trench Box With Up To 48" Spreaders.....	147.61	
01 22 23 00-0445	MO		4' x 6' Trench Box With Up To 48" Spreaders.....	442.82	
01 22 23 00-0446	WK		6' x 6' Trench Box With Up To 48" Spreaders.....	166.65	
01 22 23 00-0447	MO		6' x 6' Trench Box With Up To 48" Spreaders.....	499.96	
01 22 23 00-0448	WK		8' x 6' Trench Box With Up To 48" Spreaders.....	176.18	
01 22 23 00-0449	MO		8' x 6' Trench Box With Up To 48" Spreaders.....	528.53	
01 22 23 00-0450	WK		4' x 8' Trench Box With Up To 48" Spreaders.....	161.89	
01 22 23 00-0451	MO		4' x 8' Trench Box With Up To 48" Spreaders.....	485.67	
01 22 23 00-0452	WK		6' x 8' Trench Box With Up To 48" Spreaders.....	190.46	
01 22 23 00-0453	MO		6' x 8' Trench Box With Up To 48" Spreaders.....	571.38	
01 22 23 00-0454	WK		8' x 8' Trench Box With Up To 48" Spreaders.....	214.27	
01 22 23 00-0455	MO		8' x 8' Trench Box With Up To 48" Spreaders.....	642.80	
01 22 23 00-0456	WK		4' x 10' Trench Box With Up To 48" Spreaders.....	180.94	
01 22 23 00-0457	MO		4' x 10' Trench Box With Up To 48" Spreaders.....	542.81	
01 22 23 00-0458	WK		6' x 10' Trench Box With Up To 48" Spreaders.....	214.27	
01 22 23 00-0459	MO		6' x 10' Trench Box With Up To 48" Spreaders.....	642.80	
01 22 23 00-0460	WK		8' x 10' Trench Box With Up To 48" Spreaders.....	261.88	
01 22 23 00-0461	MO		8' x 10' Trench Box With Up To 48" Spreaders.....	780.89	
01 22 23 00-0462	WK		4' x 12' Trench Box With Up To 48" Spreaders.....	214.27	
01 22 23 00-0463	MO		4' x 12' Trench Box With Up To 48" Spreaders.....	642.80	
01 22 23 00-0464	WK		6' x 12' Trench Box With Up To 48" Spreaders.....	261.88	
01 22 23 00-0465	MO		6' x 12' Trench Box With Up To 48" Spreaders.....	785.65	
01 22 23 00-0466	WK		8' x 12' Trench Box With Up To 48" Spreaders.....	333.30	
01 22 23 00-0467	MO		8' x 12' Trench Box With Up To 48" Spreaders.....	999.92	
01 22 23 00-0468	WK		4' x 14' Trench Box With Up To 48" Spreaders.....	238.08	
01 22 23 00-0469	MO		4' x 14' Trench Box With Up To 48" Spreaders.....	714.22	
01 22 23 00-0470	WK		6' x 14' Trench Box With Up To 48" Spreaders.....	309.50	
01 22 23 00-0471	MO		6' x 14' Trench Box With Up To 48" Spreaders.....	928.49	
01 22 23 00-0472	WK		8' x 14' Trench Box With Up To 48" Spreaders.....	380.92	
01 22 23 00-0473	MO		8' x 14' Trench Box With Up To 48" Spreaders.....	1,142.76	
01 22 23 00-0474	WK		4' x 16' Trench Box With Up To 48" Spreaders.....	261.88	
01 22 23 00-0475	MO		4' x 16' Trench Box With Up To 48" Spreaders.....	785.65	
01 22 23 00-0476	WK		6' x 16' Trench Box With Up To 48" Spreaders.....	357.11	
01 22 23 00-0477	MO		6' x 16' Trench Box With Up To 48" Spreaders.....	1,071.34	
01 22 23 00-0478	WK		8' x 16' Trench Box With Up To 48" Spreaders.....	428.54	
01 22 23 00-0479	MO		8' x 16' Trench Box With Up To 48" Spreaders.....	1,285.60	
01 22 23 00-0480	WK		4' x 20' Trench Box With Up To 48" Spreaders.....	309.50	
01 22 23 00-0481	MO		4' x 20' Trench Box With Up To 48" Spreaders.....	928.49	
01 22 23 00-0482	WK		6' x 20' Trench Box With Up To 48" Spreaders.....	428.54	
01 22 23 00-0483	MO		6' x 20' Trench Box With Up To 48" Spreaders.....	1,285.60	
01 22 23 00-0484	WK		8' x 20' Trench Box With Up To 48" Spreaders.....	499.96	
01 22 23 00-0485	MO		8' x 20' Trench Box With Up To 48" Spreaders.....	1,499.87	
01 22 23 00-0486	WK		4' x 24' Trench Box With Up To 48" Spreaders.....	428.54	
01 22 23 00-0487	MO		4' x 24' Trench Box With Up To 48" Spreaders.....	1,285.60	
01 22 23 00-0488	WK		6' x 24' Trench Box With Up To 48" Spreaders.....	523.76	
01 22 23 00-0489	MO		6' x 24' Trench Box With Up To 48" Spreaders.....	1,571.30	
01 22 23 00-0490	WK		8' x 24' Trench Box With Up To 48" Spreaders.....	571.38	
01 22 23 00-0491	MO		8' x 24' Trench Box With Up To 48" Spreaders.....	1,714.14	
01 22 23 00-0492	WK		For Spreaders >48" To 84", Add.....	14.28	
01 22 23 00-0493	MO		For Spreaders >48" To 84", Add.....	42.85	
01 22 23 00-0494	WK		For Spreaders >84" To 120", Add.....	85.71	
01 22 23 00-0495	MO		For Spreaders >84" To 120", Add.....	257.12	
01 22 23 00-0496	WK		For Spreaders >120", Add.....	180.94	
01 22 23 00-0497	MO		For Spreaders >120", Add.....	542.81	
01 22 23 00-0498	WK		8' x 4' Manhole Box.....	224.98	
01 22 23 00-0499	MO		8' x 4' Manhole Box.....	674.94	
01 22 23 00-0500	WK		8' x 8' Manhole Box.....	321.40	
01 22 23 00-0501	MO		8' x 8' Manhole Box.....	964.20	

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

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0503	DAY		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,007.80 -614.74	
01 22 23 00-0504	WK		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,412.56 -3,073.71	
01 22 23 00-0505	MO		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,933.64 -13,248.74	
01 22 23 00-0506	DAY		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,671.08 -614.74	
01 22 23 00-0507	WK		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,648.06 -3,073.71	
01 22 23 00-0508	MO		5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,075.14 -13,248.74	

01 22 23 00-0509

Heavy Equipment Mats (01 22 23 00-0242)

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

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

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0575 MO 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	207.14	
01 22 23 00-0576 Day 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.44	
01 22 23 00-0577 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.60	
01 22 23 00-0578 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	220.80	
01 22 23 00-0579 Electrical Equipment <small>(01 22 23)</small>		
01 22 23 00-0580 Tripod Mounted Floodlights <small>(01 22 23 00-0579)</small>		
<small>Note: Includes delivery to job site and pick-up when complete.</small>		
01 22 23 00-0581 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.23	
01 22 23 00-0582 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	154.32	
01 22 23 00-0583 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	326.13	
01 22 23 00-0584 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.23	
01 22 23 00-0585 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	190.91	
01 22 23 00-0586 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	564.77	
01 22 23 00-0587 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	73.18	
01 22 23 00-0588 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	198.86	
01 22 23 00-0589 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	485.22	
01 22 23 00-0590 Trailer Mounted Floodlights <small>(01 22 23 00-0579)</small>		
<small>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</small>		
01 22 23 00-0591 DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	182.95	
01 22 23 00-0592 WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	405.68	
01 22 23 00-0593 MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	875.00	
01 22 23 00-0594 Generator Sets <small>(01 22 23 00-0579)</small>		
01 22 23 00-0595 Portable, Gas Or Diesel Powered Generator Sets <small>(01 22 23 00-0594)</small>		
<small>Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0678 for reimbursable fuel fees.</small>		
01 22 23 00-0596 DAY 3.6 KW, 8 HP Gas Powered Generator Set	42.32	
<small>For LP Or NG Gas, Add</small>		
	5.29	
01 22 23 00-0597 WK 3.6 KW, 8 HP Gas Powered Generator Set	152.57	
<small>For LP Or NG Gas, Add</small>		
	19.07	
01 22 23 00-0598 MO 3.6 KW, 8 HP Gas Powered Generator Set	423.25	
<small>For LP Or NG Gas, Add</small>		
	52.91	
01 22 23 00-0599 DAY 5 KW, 11 HP Gas Powered Generator Set	60.04	
<small>For LP Or NG Gas, Add</small>		
	7.51	
01 22 23 00-0600 WK 5 KW, 11 HP Gas Powered Generator Set	191.94	
<small>For LP Or NG Gas, Add</small>		
	23.99	
01 22 23 00-0601 MO 5 KW, 11 HP Gas Powered Generator Set	438.01	
<small>For LP Or NG Gas, Add</small>		
	54.75	
01 22 23 00-0602 DAY 6.5 KW, 13 HP Gas Powered Generator Set	76.78	
<small>For LP Or NG Gas, Add</small>		
	9.60	
01 22 23 00-0603 WK 6.5 KW, 13 HP Gas Powered Generator Set	206.70	
<small>For LP Or NG Gas, Add</small>		
	25.84	
01 22 23 00-0604 MO 6.5 KW, 13 HP Gas Powered Generator Set	570.89	
<small>For LP Or NG Gas, Add</small>		
	71.36	
01 22 23 00-0605 DAY 10 KW, 18 HP Gas Powered Generator Set	85.63	
<small>For LP Or NG Gas, Add</small>		
	10.70	
01 22 23 00-0606 WK 10 KW, 18 HP Gas Powered Generator Set	231.31	
<small>For LP Or NG Gas, Add</small>		
	28.91	
01 22 23 00-0607 MO 10 KW, 18 HP Gas Powered Generator Set	664.40	
<small>For LP Or NG Gas, Add</small>		
	83.05	
01 22 23 00-0608 Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0594)</small>		
<small>Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0678 for reimbursable fuel fees.</small>		
01 22 23 00-0609 DAY 20 KW, 60 Hertz Diesel Powered Generator Set	176.19	
<small>Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.</small>		
01 22 23 00-0610 WK 20 KW, 60 Hertz Diesel Powered Generator Set	460.65	
<small>Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.</small>		
01 22 23 00-0611 MO 20 KW, 60 Hertz Diesel Powered Generator Set	1,254.98	
<small>Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.</small>		
01 22 23 00-0612 DAY 40.0 KW, 60 Hertz Diesel Powered Generator Set	290.83	
<small>Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.</small>		
01 22 23 00-0613 WK 40.0 KW, 60 Hertz Diesel Powered Generator Set	655.07	
<small>Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.</small>		
01 22 23 00-0614 MO 40.0 KW, 60 Hertz Diesel Powered Generator Set	1,745.00	
<small>Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.</small>		



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0615	DAY	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	380.85	
01 22 23 00-0616	WK	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	854.03	
01 22 23 00-0617	MO	70.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	2,371.68	
01 22 23 00-0618	DAY	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	478.95	
01 22 23 00-0619	WK	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	1,056.00	
01 22 23 00-0620	MO	100.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	3,006.43	
01 22 23 00-0621	DAY	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	493.38	
01 22 23 00-0622	WK	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	1,136.79	
01 22 23 00-0623	MO	120.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	3,502.69	
01 22 23 00-0624	DAY	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	507.80	
01 22 23 00-0625	WK	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	1,211.80	
01 22 23 00-0626	MO	150.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	3,998.96	
01 22 23 00-0627	DAY	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	556.28	
01 22 23 00-0628	WK	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	1,264.89	
01 22 23 00-0629	MO	175.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	4,200.92	
01 22 23 00-0630	DAY	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	692.46	
01 22 23 00-0631	WK	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	1,771.54	
01 22 23 00-0632	MO	250.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	4,674.10	
01 22 23 00-0633	DAY	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	784.79	
01 22 23 00-0634	WK	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	1,904.26	
01 22 23 00-0635	MO	300.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	5,193.45	
01 22 23 00-0636	DAY	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	1,107.94	
01 22 23 00-0637	WK	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	2,492.86	
01 22 23 00-0638	MO	350.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	6,647.62	
01 22 23 00-0639	DAY	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	1,182.95	
01 22 23 00-0640	WK	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	2,862.17	
01 22 23 00-0641	MO	400.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	8,367.22	
01 22 23 00-0642	DAY	500.0 KW, 60 Hertz Diesel Powered Generator Set Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	1,320.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0643 WK 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	3,000.66	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0644 MO 500.0 KW, 60 Hertz Diesel Powered Generator Set.....	9,001.98	
Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.		
01 22 23 00-0645 DAY 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,846.56	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0646 WK 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	4,616.40	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0647 MO 750.0 KW, 60 Hertz Diesel Powered Generator Set.....	13,849.20	
Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.		
01 22 23 00-0648 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	788.13	
01 22 23 00-0649 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,230.03	
01 22 23 00-0650 Cabling For Generator Sets (01 22 23 00-0594)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0651 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	25.39	
01 22 23 00-0652 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	44.43	
01 22 23 00-0653 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	133.30	
01 22 23 00-0654 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	12.70	
01 22 23 00-0655 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	36.93	
01 22 23 00-0656 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	102.71	
01 22 23 00-0657 Resistive Loadbanks (01 22 23 00-0594)		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0678 for reimbursable fuel fees.		
01 22 23 00-0658 DAY 100 KW A/C Resistive Loadbank.....	411.25	
01 22 23 00-0659 WK 100 KW A/C Resistive Loadbank.....	1,014.99	
01 22 23 00-0660 MO 100 KW A/C Resistive Loadbank.....	3,036.23	
01 22 23 00-0661 DAY 650 KW A/C Resistive Loadbank.....	693.00	
01 22 23 00-0662 WK 650 KW A/C Resistive Loadbank.....	1,853.24	
01 22 23 00-0663 MO 650 KW A/C Resistive Loadbank.....	4,724.97	
01 22 23 00-0664 Sub-Distribution Panels (Spider Box) (01 22 23 00-0594)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0665 DAY Sub-Distribution Panel (Spider Box).....	62.32	
01 22 23 00-0666 WK Sub-Distribution Panel (Spider Box).....	161.57	
01 22 23 00-0667 MO Sub-Distribution Panel (Spider Box).....	455.87	
01 22 23 00-0668 Portable Distribution Panels (01 22 23 00-0594)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0669 DAY 200 Amp Spider Box Feeder Panel.....	138.49	
01 22 23 00-0670 WK 200 Amp Spider Box Feeder Panel.....	375.08	
01 22 23 00-0671 MO 200 Amp Spider Box Feeder Panel.....	1,050.23	
01 22 23 00-0672 DAY 100 Amp Quad Box Panel.....	113.10	
01 22 23 00-0673 WK 100 Amp Quad Box Panel.....	294.30	
01 22 23 00-0674 MO 100 Amp Quad Box Panel.....	836.72	
01 22 23 00-0675 DAY 200 Amp Quad Box Panel.....	144.26	
01 22 23 00-0676 WK 200 Amp Quad Box Panel.....	363.54	
01 22 23 00-0677 MO 200 Amp Quad Box Panel.....	986.76	
01 22 23 00-0678 Fuel Reimbursement For Generators (01 22 23 00-0594)		
01 22 23 00-0679 EA Fuel Reimbursement For Generators.....	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0680 Generator Accessories (01 22 23 00-0594)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0681 Step Down Transformer (01 22 23 00-0680)		
01 22 23 00-0682 WK 75 KVA, 480-208 Volt, Step Down Transformer.....	340.46	
01 22 23 00-0683 MO 75 KVA, 480-208 Volt, Step Down Transformer.....	952.13	
01 22 23 00-0684 WK 150 KVA, 480-208 Volt, Step Down Transformer.....	545.89	
01 22 23 00-0685 MO 150 KVA, 480-208 Volt, Step Down Transformer.....	1,636.51	
01 22 23 00-0686 WK 225 KVA, 480-208 Volt, Step Down Transformer.....	727.08	
01 22 23 00-0687 MO 225 KVA, 480-208 Volt, Step Down Transformer.....	2,181.25	
01 22 23 00-0688 WK 500 KVA, 480-208 Volt, Step Down Transformer.....	865.58	
01 22 23 00-0689 MO 500 KVA, 480-208 Volt, Step Down Transformer.....	2,596.72	
01 22 23 00-0690 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,292.59	
01 22 23 00-0691 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,860.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0692 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,100.46	
01 22 23 00-0693 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,295.62	
01 22 23 00-0694 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	2,423.61	
01 22 23 00-0695 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	7,270.83	
01 22 23 00-0696 Portable Panel <small>(01 22 23 00-0680)</small>		
01 22 23 00-0697 WK 100 Amp Portable Panel.....	271.21	
01 22 23 00-0698 MO 100 Amp Portable Panel.....	692.46	
01 22 23 00-0699 WK 200 Amp Portable Panel.....	324.30	
01 22 23 00-0700 MO 200 Amp Portable Panel.....	865.58	
01 22 23 00-0701 WK 400 Amp Portable Panel.....	346.23	
01 22 23 00-0702 MO 400 Amp Portable Panel.....	1,038.69	
01 22 23 00-0703 Portable Fusible Disconnect <small>(01 22 23 00-0680)</small>		
01 22 23 00-0704 WK 100 - 200 Amp Portable Fusible Disconnect.....	121.18	
01 22 23 00-0705 MO 100 - 200 Amp Portable Fusible Disconnect.....	363.54	
01 22 23 00-0706 WK 300 - 400 Amp Portable Fusible Disconnect.....	242.36	
01 22 23 00-0707 MO 300 - 400 Amp Portable Fusible Disconnect.....	727.08	
01 22 23 00-0708 Portable Transfer Switch <small>(01 22 23 00-0680)</small>		
01 22 23 00-0709 WK 100 Amp, 480 Volt, Portable Transfer Switch.....	363.54	
01 22 23 00-0710 MO 100 Amp, 480 Volt, Portable Transfer Switch.....	1,090.62	
01 22 23 00-0711 WK 200 Amp, 480 Volt, Portable Transfer Switch.....	484.72	
01 22 23 00-0712 MO 200 Amp, 480 Volt, Portable Transfer Switch.....	1,454.17	
01 22 23 00-0713 WK 400 Amp, 480 Volt, Portable Transfer Switch.....	605.90	
01 22 23 00-0714 MO 400 Amp, 480 Volt, Portable Transfer Switch.....	1,817.71	
01 22 23 00-0715 Welding Machines <small>(01 22 23 00-0579)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0716 Diesel Powered Towable Welding Machines <small>(01 22 23 00-0715)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0717 DAY 250 To 299 AMP, Diesel Powered Towable Welding Machine.....	103.28	
01 22 23 00-0718 WK 250 To 299 AMP, Diesel Powered Towable Welding Machine.....	252.45	
01 22 23 00-0719 MO 250 To 299 AMP, Diesel Powered Towable Welding Machine.....	602.44	
01 22 23 00-0720 DAY 300 To 349 AMP, Diesel Powered Towable Welding Machine.....	137.70	
01 22 23 00-0721 WK 300 To 349 AMP, Diesel Powered Towable Welding Machine.....	269.66	
01 22 23 00-0722 MO 300 To 349 AMP, Diesel Powered Towable Welding Machine.....	629.98	
01 22 23 00-0723 DAY 350 To 399 AMP, Diesel Powered Towable Welding Machine.....	143.44	
01 22 23 00-0724 WK 350 To 399 AMP, Diesel Powered Towable Welding Machine.....	286.88	
01 22 23 00-0725 MO 350 To 399 AMP, Diesel Powered Towable Welding Machine.....	699.98	
01 22 23 00-0726 General Equipment <small>(01 22 23)</small>		
01 22 23 00-0727 Jacks And Bracing <small>(01 22 23 00-0726)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0728 Manual Hydraulic Jacks <small>(01 22 23 00-0727)</small>		
01 22 23 00-0729 DAY 12 Ton Manual Hydraulic Bottle Jack.....	17.97	
01 22 23 00-0730 WK 12 Ton Manual Hydraulic Bottle Jack.....	46.72	
01 22 23 00-0731 MO 12 Ton Manual Hydraulic Bottle Jack.....	82.65	
01 22 23 00-0732 DAY 20 Ton Manual Hydraulic Bottle Jack.....	35.94	
01 22 23 00-0733 WK 20 Ton Manual Hydraulic Bottle Jack.....	100.62	
01 22 23 00-0734 MO 20 Ton Manual Hydraulic Bottle Jack.....	197.65	
01 22 23 00-0735 DAY 50 Ton Manual Hydraulic Bottle Jack.....	55.70	
01 22 23 00-0736 WK 50 Ton Manual Hydraulic Bottle Jack.....	138.35	
01 22 23 00-0737 MO 50 Ton Manual Hydraulic Bottle Jack.....	233.58	
01 22 23 00-0738 DAY 100 Ton Manual Hydraulic Bottle Jack.....	147.34	
01 22 23 00-0739 WK 100 Ton Manual Hydraulic Bottle Jack.....	353.97	
01 22 23 00-0740 MO 100 Ton Manual Hydraulic Bottle Jack.....	589.35	
01 22 23 00-0741 Manual Screw Jacks <small>(01 22 23 00-0727)</small>		
01 22 23 00-0742 DAY 10 To 20 Ton Manual Screw Jack.....	13.72	
01 22 23 00-0743 WK 10 To 20 Ton Manual Screw Jack.....	36.94	
01 22 23 00-0744 MO 10 To 20 Ton Manual Screw Jack.....	102.38	
01 22 23 00-0745 Pressure Washers <small>(01 22 23 00-0726)</small>		
Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0746 DAY 2,000 PSI Pressure Washer With Full-Time Operator.....	706.26	
<i>For Equipment Without Operator, Deduct</i>		
	-558.24	
01 22 23 00-0747 WK 2,000 PSI Pressure Washer With Full-Time Operator.....	3,166.93	
<i>For Equipment Without Operator, Deduct</i>		
	-2,791.18	
01 22 23 00-0748 MO 2,000 PSI Pressure Washer With Full-Time Operator.....	12,987.44	
<i>For Equipment Without Operator, Deduct</i>		
	-12,030.97	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0749 DAY 2,500 PSI Pressure Washer With Full-Time Operator.....	706.26	
For Equipment Without Operator, Deduct	-558.24	
01 22 23 00-0750 WK 2,500 PSI Pressure Washer With Full-Time Operator.....	3,166.93	
For Equipment Without Operator, Deduct	-2,791.18	
01 22 23 00-0751 MO 2,500 PSI Pressure Washer With Full-Time Operator.....	12,987.44	
For Equipment Without Operator, Deduct	-12,030.97	
01 22 23 00-0752 DAY 3,000 PSI Pressure Washer With Full-Time Operator.....	706.26	
For Equipment Without Operator, Deduct	-558.24	
01 22 23 00-0753 WK 3,000 PSI Pressure Washer With Full-Time Operator.....	3,166.93	
For Equipment Without Operator, Deduct	-2,791.18	
01 22 23 00-0754 MO 3,000 PSI Pressure Washer With Full-Time Operator.....	12,987.44	
For Equipment Without Operator, Deduct	-12,030.97	
01 22 23 00-0755 DAY 3,500 PSI Pressure Washer With Full-Time Operator.....	717.65	
For Equipment Without Operator, Deduct	-558.24	
01 22 23 00-0756 WK 3,500 PSI Pressure Washer With Full-Time Operator.....	3,201.09	
For Equipment Without Operator, Deduct	-2,791.18	
01 22 23 00-0757 MO 3,500 PSI Pressure Washer With Full-Time Operator.....	13,078.53	
For Equipment Without Operator, Deduct	-12,030.97	
01 22 23 00-0758 DAY 4,000 PSI Pressure Washer With Full-Time Operator.....	763.20	
For Equipment Without Operator, Deduct	-558.24	
01 22 23 00-0759 WK 4,000 PSI Pressure Washer With Full-Time Operator.....	3,349.12	
For Equipment Without Operator, Deduct	-2,791.18	
01 22 23 00-0760 MO 4,000 PSI Pressure Washer With Full-Time Operator.....	13,590.92	
For Equipment Without Operator, Deduct	-12,030.97	
01 22 23 00-0761 DAY 5,000 PSI Pressure Washer With Full-Time Operator.....	785.97	
For Equipment Without Operator, Deduct	-558.24	
01 22 23 00-0762 WK 5,000 PSI Pressure Washer With Full-Time Operator.....	3,406.05	
For Equipment Without Operator, Deduct	-2,791.18	
01 22 23 00-0763 MO 5,000 PSI Pressure Washer With Full-Time Operator.....	13,761.72	
For Equipment Without Operator, Deduct	-12,030.97	
01 22 23 00-0764 Confined Space Entry Equipment (01 22 23 00-0726)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0765 DAY Ventilation Equipment For Confined Space	47.47	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0766 WK Ventilation Equipment For Confined Space	142.42	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0767 MO Ventilation Equipment For Confined Space	424.99	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0768 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	32.10	
01 22 23 00-0769 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	96.30	
01 22 23 00-0770 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	288.90	
01 22 23 00-0771 DAY Confined Space Air Monitor Personnel	575.39	
Note: Per person day.		
01 22 23 00-0772 Material Handling Equipment (01 22 23)		
01 22 23 00-0773 Truck Mounted Hydraulic Cranes (01 22 23 00-0772)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0774 DAY 6 Ton Lift Hydraulic Crane With Full-Time Operator	1,023.39	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0775 WK 6 Ton Lift Hydraulic Crane With Full-Time Operator	4,311.67	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0776 MO 6 Ton Lift Hydraulic Crane With Full-Time Operator	16,974.63	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0777 DAY 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	1,131.56	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0778 WK 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	4,633.18	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0779 MO 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	17,936.15	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0780 DAY 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	1,239.73	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0781 WK 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	4,954.68	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0782 MO 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	18,897.67	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0783 DAY 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	1,383.96	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0784 WK 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	5,387.37	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0785 MO 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	20,189.71	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0786 DAY 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	1,516.16	
For Equipment Without Operator, Deduct	-614.74	
01 22 23 00-0787 WK 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	6,282.78	
For Equipment Without Operator, Deduct	-3,073.71	
01 22 23 00-0788 MO 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	22,873.56	
For Equipment Without Operator, Deduct	-13,248.74	
01 22 23 00-0789 DAY 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	1,828.66	
For Equipment Without Operator, Deduct	-614.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0790 WK 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,400.55 -3,073.71	
01 22 23 00-0791 MO 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	26,229.26 -13,248.74	
01 22 23 00-0792 DAY 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,026.97 -614.74	
01 22 23 00-0793 WK 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,097.65 -3,073.71	
01 22 23 00-0794 MO 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,325.37 -13,248.74	
01 22 23 00-0795 DAY 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,183.22 -614.74	
01 22 23 00-0796 WK 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,662.55 -3,073.71	
01 22 23 00-0797 MO 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,017.65 -13,248.74	
01 22 23 00-0798 DAY 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,339.47 -614.74	
01 22 23 00-0799 WK 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,227.44 -3,073.71	
01 22 23 00-0800 MO 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,709.92 -13,248.74	
01 22 23 00-0801 DAY 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,441.63 -614.74	
01 22 23 00-0802 WK 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,575.99 -3,073.71	
01 22 23 00-0803 MO 90 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,767.60 -13,248.74	
01 22 23 00-0804 DAY 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,579.85 -614.74	
01 22 23 00-0805 WK 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,092.81 -3,073.71	
01 22 23 00-0806 MO 100 Ton Lift Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,306.03 -13,248.74	
01 22 23 00-0807 Cranes, Mechanical, Cable Controlled Lattice Boom, Truck Mounted <small>(01 22 23 00-0772)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0808 DAY 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,057.02 -614.74	
01 22 23 00-0809 WK 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,217.84 -3,073.71	
01 22 23 00-0810 MO 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,681.14 -13,248.74	
01 22 23 00-0811 DAY 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,168.78 -614.74	
01 22 23 00-0812 WK 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,068.77 -3,073.71	
01 22 23 00-0813 MO 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,233.91 -13,248.74	
01 22 23 00-0814 DAY 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,349.06 -614.74	
01 22 23 00-0815 WK 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,384.85 -3,073.71	
01 22 23 00-0816 MO 125 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,180.95 -13,248.74	
01 22 23 00-0817 DAY 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,709.63 -614.74	
01 22 23 00-0818 WK 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,700.93 -3,073.71	
01 22 23 00-0819 MO 150 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	42,123.19 -13,248.74	
01 22 23 00-0820 DAY 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,052.17 -614.74	
01 22 23 00-0821 WK 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,333.09 -3,073.71	
01 22 23 00-0822 MO 250 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	50,026.88 -13,248.74	
01 22 23 00-0823 DAY 300 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,617.07 -614.74	
01 22 23 00-0824 WK 300 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,358.29 -3,073.71	
01 22 23 00-0825 MO 300 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	56,094.07 -13,248.74	
01 22 23 00-0826 DAY 500 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,090.56 -614.74	
01 22 23 00-0827 WK 500 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,737.86 -3,073.71	
01 22 23 00-0828 MO 500 Ton Lift Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	93,247.20 -13,248.74	
01 22 23 00-0829 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0772)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0830	DAY		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,042.83	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0831	WK		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,020.95	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0832	MO		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	14,860.87	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0833	DAY		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,092.03	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0834	WK		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,131.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0835	MO		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,106.89	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0836	DAY		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,079.73	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0837	WK		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,187.02	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0838	MO		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,475.92	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0839	DAY		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,221.19	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
01 22 23 00-0840	WK		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,556.05	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
01 22 23 00-0841	MO		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	16,336.99	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
01 22 23 00-0842			Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0772)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0843	DAY		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	879.22	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	60.77	
01 22 23 00-0844	WK		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,706.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	165.94	
01 22 23 00-0845	MO		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,299.64	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	379.79	
01 22 23 00-0846	DAY		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	895.22	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	63.97	
01 22 23 00-0847	WK		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,750.33	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	174.67	
01 22 23 00-0848	MO		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,399.58	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	399.78	
01 22 23 00-0849	DAY		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	981.32	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	81.19	
01 22 23 00-0850	WK		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,990.20	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	222.65	
01 22 23 00-0851	MO		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	14,953.13	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	510.49	
01 22 23 00-0852	DAY		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,028.74	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	90.67	
01 22 23 00-0853	WK		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,969.66	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	218.54	
01 22 23 00-0854	MO		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,120.79	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	544.02	
01 22 23 00-0855			Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0772)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0856	DAY		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	833.71	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	51.66	
01 22 23 00-0857	WK		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,467.41	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	118.09	
01 22 23 00-0858	MO		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	13,815.29	
			<i>For Equipment Without Operator, Deduct</i>	-12,400.67	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	282.92	
01 22 23 00-0859	DAY		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	839.86	
			<i>For Equipment Without Operator, Deduct</i>	-575.39	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	52.89	
01 22 23 00-0860	WK		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,485.86	
			<i>For Equipment Without Operator, Deduct</i>	-2,876.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	121.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0861	MO		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	13,858.34 -12,400.67 291.53	
01 22 23 00-0862	DAY		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	969.02 -575.39 78.73	
01 22 23 00-0863	WK		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,768.78 -2,876.96 178.36	
01 22 23 00-0864	MO		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,553.35 -12,400.67 430.54	
01 22 23 00-0865	DAY		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	981.32 -575.39 81.19	
01 22 23 00-0866	WK		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,873.34 -2,876.96 199.28	
01 22 23 00-0867	MO		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,922.37 -12,400.67 504.34	
01 22 23 00-0868	DAY		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,092.03 -575.39 103.33	
01 22 23 00-0869	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,051.71 -2,876.96 234.95	
01 22 23 00-0870	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	15,229.90 -12,400.67 565.85	
01 22 23 00-0871			Chain Hoists <small>(01 22 23 00-0772)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0872	DAY		1 Ton, 20' Lift, Manual Chain Hoist	17.97	
01 22 23 00-0873	WK		1 Ton, 20' Lift, Manual Chain Hoist	48.51	
01 22 23 00-0874	MO		1 Ton, 20' Lift, Manual Chain Hoist	122.18	
01 22 23 00-0875	DAY		3 Ton, 20' Lift, Manual Chain Hoist	39.53	
01 22 23 00-0876	WK		3 Ton, 20' Lift, Manual Chain Hoist	95.23	
01 22 23 00-0877	MO		3 Ton, 20' Lift, Manual Chain Hoist	237.18	
01 22 23 00-0878	DAY		5 Ton, 20' Lift, Manual Chain Hoist	57.50	
01 22 23 00-0879	WK		5 Ton, 20' Lift, Manual Chain Hoist	138.35	
01 22 23 00-0880	MO		5 Ton, 20' Lift, Manual Chain Hoist	344.99	
01 22 23 00-0881	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	115.00	
01 22 23 00-0882	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	276.71	
01 22 23 00-0883	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	689.97	
01 22 23 00-0884	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	129.37	
01 22 23 00-0885	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	312.64	
01 22 23 00-0886	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	776.22	
01 22 23 00-0887	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	161.71	
01 22 23 00-0888	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	389.91	
01 22 23 00-0889	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	970.27	
01 22 23 00-0890			Pumping Equipment <small>(01 22 23)</small>		
01 22 23 00-0891			Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-0890)</small> Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0915 for larger diameter pumps.		
01 22 23 00-0892	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	80.09	
01 22 23 00-0893	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	180.21	
01 22 23 00-0894	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	480.55	
01 22 23 00-0895	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	96.11	
01 22 23 00-0896	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	216.25	
01 22 23 00-0897	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	576.66	
01 22 23 00-0898			Gas Powered Portable Diaphragm Pumps <small>(01 22 23 00-0890)</small> Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0899	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	92.11	
01 22 23 00-0900	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	260.30	
01 22 23 00-0901	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	660.76	
01 22 23 00-0902	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	112.13	
01 22 23 00-0903	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	300.34	
01 22 23 00-0904	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	850.98	
01 22 23 00-0905			Gas Powered Portable Trash Pumps <small>(01 22 23 00-0890)</small> Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0906	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	116.13	
01 22 23 00-0907	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	240.28	
01 22 23 00-0908	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	720.83	
01 22 23 00-0909	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	116.13	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0910	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	310.36
01 22 23 00-0911	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	850.98
01 22 23 00-0912	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	184.21
01 22 23 00-0913	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	520.60
01 22 23 00-0914	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,511.74

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

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

01 22 23 00-0916	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	360.41
01 22 23 00-0917	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	981.13
01 22 23 00-0918	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,274.91
01 22 23 00-0919	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	550.63
01 22 23 00-0920	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,441.66
01 22 23 00-0921	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,834.40
01 22 23 00-0922	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	748.86
01 22 23 00-0923	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,004.30
01 22 23 00-0924	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,362.16
01 22 23 00-0925	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	969.11
01 22 23 00-0926	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,474.84
01 22 23 00-0927	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,268.35

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

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

01 22 23 00-0929	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	514.59
01 22 23 00-0930	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,171.35
01 22 23 00-0931	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,652.20
01 22 23 00-0932	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	630.72
01 22 23 00-0933	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,571.81
01 22 23 00-0934	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,274.91
01 22 23 00-0935	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	760.87
01 22 23 00-0936	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,250.59
01 22 23 00-0937	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,277.21
01 22 23 00-0938	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,145.32
01 22 23 00-0939	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,925.36
01 22 23 00-0940	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,589.87

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

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

01 22 23 00-0942	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	200.23
01 22 23 00-0943	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	500.58
01 22 23 00-0944	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,501.72
01 22 23 00-0945	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	264.30
01 22 23 00-0946	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	660.76
01 22 23 00-0947	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,982.28

01 22 23 00-0948 Hydraulic Submersible Pumps (01 22 23 00-0890)

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

01 22 23 00-0949	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	132.15
01 22 23 00-0950	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	354.41
01 22 23 00-0951	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	991.14
01 22 23 00-0952	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	168.19
01 22 23 00-0953	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	432.50
01 22 23 00-0954	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,321.52

01 22 23 00-0955 Suction Hose With Couplings (01 22 23 00-0890)

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

01 22 23 00-0956	DAY	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	13.82
01 22 23 00-0957	WK	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	34.54
01 22 23 00-0958	MO	1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	85.20
01 22 23 00-0959	DAY	2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.12
01 22 23 00-0960	WK	2" Inside Diameter, 20' Length, Suction Hose With Couplings	36.84
01 22 23 00-0961	MO	2" Inside Diameter, 20' Length, Suction Hose With Couplings	89.80
01 22 23 00-0962	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	34.54
01 22 23 00-0963	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	75.99
01 22 23 00-0964	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	204.94
01 22 23 00-0965	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	43.75
01 22 23 00-0966	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	99.01
01 22 23 00-0967	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	264.80
01 22 23 00-0968	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	57.57
01 22 23 00-0969	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	133.55
01 22 23 00-0970	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	301.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0971	Discharge Hose With Couplings (01 22 23 00-0990)	
	Note: Includes delivery, set-up, and removal.	
01 22 23 00-0972	DAY 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.02
01 22 23 00-0973	WK 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.05
01 22 23 00-0974	MO 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	90.10
01 22 23 00-0975	DAY 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.04
01 22 23 00-0976	WK 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.05
01 22 23 00-0977	MO 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	96.11
01 22 23 00-0978	DAY 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.04
01 22 23 00-0979	WK 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	64.07
01 22 23 00-0980	MO 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	126.14
01 22 23 00-0981	DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	44.05
01 22 23 00-0982	WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	116.13
01 22 23 00-0983	MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	234.27
01 22 23 00-0984	DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	88.10
01 22 23 00-0985	WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	180.21
01 22 23 00-0986	MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	380.44

01 22 23 00-0987 **Truck And Trailer Equipment** (01 22 23)

01 22 23 00-0988 **Trucks** (01 22 23 00-0987)
Note: Includes full-time driver, delivery, and removal.

01 22 23 00-0989	Flat Bed Trucks (01 22 23 00-0988)	
	Note: Includes hydraulic tilt bed.	
01 22 23 00-0990	DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	782.79
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-0991	WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,280.96
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-0992	MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,896.95
	For Equipment Without Operator, Deduct	-11,134.67
01 22 23 00-0993	DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	897.88
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-0994	WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	3,575.87
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-0995	MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	13,652.22
	For Equipment Without Operator, Deduct	-11,134.67
01 22 23 00-0996	DAY 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	980.45
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-0997	WK 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,891.50
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-0998	MO 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,853.47
	For Equipment Without Operator, Deduct	-11,134.69

01 22 23 00-0999 **Light Duty Trucks** (01 22 23 00-0988)

01 22 23 00-1000	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	760.95
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-1001	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,384.86
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-1002	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	12,814.26
	For Equipment Without Operator, Deduct	-11,134.67
01 22 23 00-1003	DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	806.76
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-1004	WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	3,522.28
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-1005	MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	13,119.64
	For Equipment Without Operator, Deduct	-11,134.67

01 22 23 00-1006 **Boom Trucks** (01 22 23 00-0988)

01 22 23 00-1007	DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	1,012.25
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-1008	WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	3,873.66
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-1009	MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	14,407.49
	For Equipment Without Operator, Deduct	-11,134.67

01 22 23 00-1010 **Rear Dump Trucks** (01 22 23 00-0988)

01 22 23 00-1011	DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	949.47
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-1012	WK 4 CY Rear Dump Truck With Full-Time Truck Driver	3,775.70
	For Equipment Without Operator, Deduct	-2,583.24
01 22 23 00-1013	MO 4 CY Rear Dump Truck With Full-Time Truck Driver	14,226.22
	For Equipment Without Operator, Deduct	-11,134.67
01 22 23 00-1014	DAY 6 CY Rear Dump Truck With Full-Time Truck Driver	1,011.30
	For Equipment Without Operator, Deduct	-516.65
01 22 23 00-1015	WK 6 CY Rear Dump Truck With Full-Time Truck Driver	3,908.19
	For Equipment Without Operator, Deduct	-2,583.24

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1016	MO		6 CY Rear Dump Truck With Full-Time Truck Driver	14,314.55	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1017	DAY		13 CY Rear Dump Truck With Full-Time Truck Driver	1,744.44	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1018	WK		13 CY Rear Dump Truck With Full-Time Truck Driver	5,418.63	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1019	MO		13 CY Rear Dump Truck With Full-Time Truck Driver	18,554.39	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1020	DAY		18 CY Rear Dump Truck With Full-Time Truck Driver	1,867.22	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1021	WK		18 CY Rear Dump Truck With Full-Time Truck Driver	5,702.17	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1022	MO		18 CY Rear Dump Truck With Full-Time Truck Driver	19,296.36	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1023 Under-Bridge Inspection Trucks (01 22 23 00-0988)					
01 22 23 00-1024	DAY		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	1,917.71	
01 22 23 00-1025	WK		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	8,551.95	
01 22 23 00-1026	MO		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	34,812.48	
01 22 23 00-1027	DAY		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	2,176.86	
01 22 23 00-1028	WK		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	9,070.25	
01 22 23 00-1029	MO		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	37,058.45	
01 22 23 00-1030	DAY		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	2,332.35	
01 22 23 00-1031	WK		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	9,847.70	
01 22 23 00-1032	MO		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	39,304.42	
01 22 23 00-1033	DAY		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	3,006.14	
01 22 23 00-1034	WK		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	12,957.50	
01 22 23 00-1035	MO		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	50,534.25	
01 22 23 00-1036 Vacuum Trucks (01 22 23 00-0988)					
01 22 23 00-1037	DAY		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	839.86	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1038	WK		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	3,546.54	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1039	MO		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	13,980.21	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1040	DAY		5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,735.60	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1041	WK		5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,254.23	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1042	MO		5,000 Gallon Vacuum Truck With Full-Time Truck Driver	21,967.46	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1043 Water Trucks (01 22 23 00-0988)					
			See CSI section 01 22 23 00-1066 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1044	DAY		2,000 Gallon Water Truck With Full-Time Operator	1,087.03	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1045	WK		2,000 Gallon Water Truck With Full-Time Operator	4,085.23	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1046	MO		2,000 Gallon Water Truck With Full-Time Operator	14,683.67	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1047	DAY		2,500 To 3,000 Gal Water Truck With Full-Time Operator	1,188.43	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1048	WK		2,500 To 3,000 Gal Water Truck With Full-Time Operator	4,788.69	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1049	MO		2,500 To 3,000 Gal Water Truck With Full-Time Operator	16,629.28	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1050	DAY		3,700 To 4,000 Gallon Water Truck With Full-Time Operator	1,365.87	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1051	WK		3,700 To 4,000 Gallon Water Truck With Full-Time Operator	4,921.78	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1052	MO		3,700 To 4,000 Gallon Water Truck With Full-Time Operator	16,838.42	
			<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1053 Asphalt Distribution Trucks (01 22 23 00-0988)					
01 22 23 00-1054	DAY		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	1,749.53	
			<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1055	WK		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	6,266.06	
			<i>For Equipment Without Operator, Deduct</i>	-2,583.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1056	MO		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	22,021.99 -11,134.67	
01 22 23 00-1057			Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-0988)		
01 22 23 00-1058	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion, Arrow Board With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	955.03 -513.38	
01 22 23 00-1059	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	4,333.50 -2,566.90	
01 22 23 00-1060	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	16,364.03 -11,064.23	
01 22 23 00-1061			Vacuum Sweeper Trucks For Bridge Decks (01 22 23 00-0988)		
01 22 23 00-1062	DAY		Vacuum Sweeper Truck, With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,735.60 -516.65	
01 22 23 00-1063	WK		Vacuum Sweeper Truck, With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	6,254.23 -2,583.24	
01 22 23 00-1064	MO		Vacuum Sweeper Truck, With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	21,967.46 -11,134.67	
01 22 23 00-1065			Trailers (01 22 23 00-0987) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1066			Water Trailers With Pump (01 22 23 00-1065)		
01 22 23 00-1067	DAY		500 To 600 Gallon Water Trailer With Pump <i>For Equipment Without Operator, Deduct</i>	145.76 -51.38	
01 22 23 00-1068	WK		500 To 600 Gallon Water Trailer With Pump <i>For Equipment Without Operator, Deduct</i>	373.91 -151.56	
01 22 23 00-1069	MO		500 To 600 Gallon Water Trailer With Pump <i>For Equipment Without Operator, Deduct</i>	1,001.32 -513.38	

01 30 Administrative Requirements (01)

01 32 Construction Progress Documentation (01 30)

01 32 33 Photographic Documentation (01 32)

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

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002	EA	3-1/2" x 5" Color Print Photograph.....	1.58
01 32 33 00-0003	EA	4" x 6" Color Print Photograph.....	2.11
01 32 33 00-0004	EA	5" x 7" Color Print Photograph.....	4.29
01 32 33 00-0005	EA	8" x 10" Color Print Photograph.....	7.14

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

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

01 32 33 00-0007	EA	Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs..... <i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i> <i>For Each Mile Outside The City Area, Add</i> <i>For Color Prints Instead Of Black And White, Add</i>	1,248.90 175.00 3.00 374.67
01 32 33 00-0008	EA	5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph <i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i> <i>For Each Mile Outside The City Area, Add</i>	1,391.85 175.00 3.00
01 32 33 00-0009	HR	Aerial Tour Of Project Site Up To 3 Passengers (Helicopter).....	940.44

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

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

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

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

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....	171.77
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	243.80
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	277.05
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	221.64
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test.....	332.46
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	664.71
01 45 23 00-0009	EA	Moisture Content, Field Soils Test.....	24.93
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test.....	87.32
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	166.18
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test.....	207.72
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test.....	66.47

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0014 EA Percolation Test, Field Soils Test.....	166.18	
01 45 23 00-0015 EA Infiltration Test, Field Soils Test.....	332.36	
01 45 23 00-0016 Soil Borings Laboratory Tests (01 45 23 00-0001)		
See CSI section 02 32 13 00-0000 for soil borings.		
01 45 23 00-0017 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	76.28	
01 45 23 00-0018 EA Shrinkage Limit, Soil Borings Laboratory Test.....	24.34	
01 45 23 00-0019 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	58.68	
01 45 23 00-0020 EA Consolidation, Soil Borings Laboratory Test.....	410.76	
01 45 23 00-0021 EA Swell Test, Soil Borings Laboratory Test.....	81.14	
01 45 23 00-0022 EA In Place Density, Soil Borings Laboratory Test.....	17.60	
01 45 23 00-0023 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	10.94	
01 45 23 00-0024 EA Hydrometer Analysis, Soil Borings Laboratory Test.....	141.20	
01 45 23 00-0025 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	49.24	
01 45 23 00-0026 EA Partial Sieve Analysis, Soil Borings Laboratory Test.....	9.74	
01 45 23 00-0027 EA Laboratory Permeability, Soil Borings Laboratory Test.....	486.87	
01 45 23 00-0028 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	98.47	
01 45 23 00-0029 EA Sulfate Soundness, Soil Borings Laboratory Test.....	121.72	
01 45 23 00-0030 EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	283.80	
01 45 23 00-0031 EA California Bearing Ratio, ASTM D1883.....	249.34	
01 45 23 00-0032 EA Compaction Test Subgrade, Soil Borings Laboratory Test.....	73.03	
01 45 23 00-0033 EA Compaction Test Base Course, Soil Borings Laboratory Test.....	61.79	
01 45 23 00-0034 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	240.14	
01 45 23 00-0035 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	37.33	
01 45 23 00-0036 Aggregate Testing (01 45 23 00-0001)		
01 45 23 00-0037 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	55.41	
01 45 23 00-0038 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	99.74	
01 45 23 00-0039 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	138.52	
01 45 23 00-0040 EA Sieve Analysis, Pit Run, ASTM C136.....	108.02	
Note: Includes wash.		
01 45 23 00-0041 EA Specific Special Gravity, Course, ASTM C127.....	88.02	
Note: Includes absorption test.		
01 45 23 00-0042 EA Special Gravity, Fine, ASTM C127.....	78.93	
Note: Includes absorption test.		
01 45 23 00-0043 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	117.36	
01 45 23 00-0044 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	110.82	
01 45 23 00-0045 EA Aggregate Cleanness Value, ASTM C-128, CA 227.....	110.82	
01 45 23 00-0046 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	83.12	
01 45 23 00-0047 EA Fine Aggregate Durability Index, CA 229.....	88.66	
01 45 23 00-0048 EA Sodium And Magnesium Soundness, ASTM C88.....	232.65	
01 45 23 00-0049 EA Los Angeles Rattler, ASTM C-131, CA 211.....	177.31	
01 45 23 00-0050 EA Los Angeles Rattler, ASTM C-535.....	177.31	
01 45 23 00-0051 EA Unit Weight Of Aggregates, ASTM C29.....	49.87	
01 45 23 00-0052 EA Organic Impurities In Sand, ASTM C40.....	49.85	
01 45 23 00-0053 EA Crushed Particle, ASTM California Test Method.....	49.85	
01 45 23 00-0054 EA Clay Lump And Friable Particles, ASTM C142.....	99.71	
01 45 23 00-0055 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0056 In-Place Tests (01 45 23 00-0055)		
01 45 23 00-0057 EA Double Ring Infiltrometer Test, ASTM D3385.....	880.20	
01 45 23 00-0058 EA Unconfined Compressive Strength (Pocket Penetrometer) Test.....	41.54	
01 45 23 00-0059 Lab Tests (01 45 23 00-0055)		
01 45 23 00-0060 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	410.76	
01 45 23 00-0061 EA Falling Head Permeability Test EPA-9100.....	410.76	
01 45 23 00-0062 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	234.72	
01 45 23 00-0063 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0064 Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0065 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	16.73	
01 45 23 00-0066 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	35.21	
01 45 23 00-0067 EA Concrete Cores Compression Test, ASTM C-42.....	72.03	
01 45 23 00-0068 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	105.28	
01 45 23 00-0069 EA Unit Weight Of Concrete Cylinder, ASTM C-567.....	38.79	
01 45 23 00-0070 EA Concrete Mix Design Review.....	210.56	
01 45 23 00-0071 EA Trial Concrete Batch Prepared In Laboratory.....	498.69	
01 45 23 00-0072 EA Concrete Shrinkage, ASTM C-157 Modified.....	387.87	
01 45 23 00-0073 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	59.84	
01 45 23 00-0074 EA Concrete Slump Test, ASTM C143.....	27.70	
01 45 23 00-0075 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231.....	27.70	
01 45 23 00-0076 Cement Testing (01 45 23 00-0063)		



General Requirements		01
Quality Requirements		01 40
Quality Control		01 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0077 EA Cement Grab Sample (CCR Title 24) Note: Includes sealing and storing 1 year.	27.70	
01 45 23 00-0078 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	44.33	
01 45 23 00-0079 Asphaltic Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0080 EA Hveem Asphaltic Concrete Stability Test, CA 366	55.41	
01 45 23 00-0081 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	144.07	
01 45 23 00-0082 EA Stability Tests, Premixed, ASTM D1559	55.41	
01 45 23 00-0083 EA Stability Tests, Lab. Mixed, ASTM D1559.....	144.07	
01 45 23 00-0084 EA Swell Test, CA 305	66.49	
Note: Includes compaction.		
01 45 23 00-0085 EA % Asphalt Extraction Test, ASTM D-2172 B.....	166.23	
01 45 23 00-0086 EA Gradation On Extracted Sample, ASTM D-5444	110.82	
01 45 23 00-0087 EA Maximum Theoretical Unit Weight, ASTM C2041	105.62	
01 45 23 00-0088 EA Unit Weight Sample Requiring Compaction, California Test Method 308	22.16	
01 45 23 00-0089 EA Asphalt Unit Weight On Core Test, CA 308C	22.16	
01 45 23 00-0090 HR Nuclear Field Density Testing, 4 Hour Minimum.....	114.14	
01 45 23 00-0091 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	74.78	
01 45 23 00-0092 EA Penetration, ASTM D5.....	80.05	
01 45 23 00-0093 Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0094 Masonry Testing (01 45 23 00-0093)		
01 45 23 00-0095 EA 2" x 4" Cylinder Mortar Compression Test.....	36.57	
01 45 23 00-0096 EA 4" x 4" x 8" Grout Prisms Compression Test.....	36.57	
01 45 23 00-0097 EA Masonry Cores Compression Test.....	72.03	
01 45 23 00-0098 EA Composite Grouted Prism Compression Test.....	138.52	
01 45 23 00-0099 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0093)		
01 45 23 00-0100 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	88.66	
01 45 23 00-0101 EA Absorption Test, Moisture Content And Unit Weight.....	60.95	
01 45 23 00-0102 EA Moisture Condition By Relative Humidity, ASTM C427, First Unit	232.65	
01 45 23 00-0103 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	116.32	
01 45 23 00-0104 Metals Testing (01 45 23)		
01 45 23 00-0105 Tank Tightness Testing (01 45 23 00-0104)		
01 45 23 00-0106 GAL Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	5.92	
01 45 23 00-0107 GAL >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks.....	5.07	
01 45 23 00-0108 EA Up To 12,000 Gallons, Tank Volumetric Tightness Testing	1,522.34	
01 45 23 00-0109 EA >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing.....	1,860.04	
01 45 23 00-0110 EA >29,999 Gallons, Tank Volumetric Tightness Testing.....	2,368.83	
01 45 23 00-0111 Tank Line Tightness Testing (01 45 23 00-0104)		
01 45 23 00-0112 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	321.22	
01 45 23 00-0113 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	356.68	
01 45 23 00-0114 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing	392.02	
01 45 23 00-0115 Other Testing (01 45 23)		
01 45 23 00-0116 Special Testing (01 45 23 00-0115)		
01 45 23 00-0117 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	85.90	
01 45 23 00-0118 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	515.42	
01 45 23 00-0119 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	25.92	
01 45 23 00-0120 EA Testing For The Presence Of PCBs In Caulk, Analysis Per Sample.....	107.42	
01 45 23 00-0121 EA Testing For The Presence Of PCBs In Soil, Analysis Per Sample.....	107.42	
01 45 23 00-0122 EA Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample.....	107.42	
01 45 23 00-0123 EA Testing For The Presence Of PCBs In Air, Analysis Per Sample	590.81	
01 45 23 00-0124 Nondestructive Field Testing Services (01 45 23 00-0115)		
01 45 23 00-0125 Infrared Thermography (01 45 23 00-0124)		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0126 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0125)		
Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0127 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0128 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	3.00	
For Digital Or Analog Recording Of All Items, Add	0.45	
01 45 23 00-0129 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
For Digital Or Analog Recording Of All Items, Add	0.30	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0130	Other Nondestructive Field Testing Services <small>(01 45 23 00-0124)</small>	
01 45 23 00-0131	HR ASNT Certified Level I NDT Consultant	92.52
01 45 23 00-0132	HR ASNT Certified Level II NDT Consultant	95.00
01 45 23 00-0133	HR ASNT Certified Level III NDT Consultant	133.42
01 45 23 00-0134	HR Certified Industrial Radiography Radiation Safety Personnel.....	70.92

01 50 Temporary Facilities And Controls (01)

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

01 52 Construction Facilities (01 50)

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

01 52 13 Field Offices And Sheds (01 52)

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

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

01 52 13 00-0002	MO 8' x 24' Office, With Toilet.....	152.59
	<i>For Each Delivery And Removal, Round Trip, Add</i>	860.09
	<i>For Each Set-Up (Block And Level), Add</i>	140.96
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
	<i>For Office Trailer Without Toilet, Deduct</i>	-30.52
01 52 13 00-0003	MO 8' x 32' Office, With Toilet.....	172.93
	<i>For Each Delivery And Removal, Round Trip, Add</i>	860.09
	<i>For Each Set-Up (Block And Level), Add</i>	140.96
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
	<i>For Office Trailer Without Toilet, Deduct</i>	-34.59
01 52 13 00-0004	MO 10' x 36' Office, With Toilet.....	233.97
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
	<i>For Office Trailer Without Toilet, Deduct</i>	-46.79
01 52 13 00-0005	MO 10' x 40' Office, With Toilet.....	249.23
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
	<i>For Office Trailer Without Toilet, Deduct</i>	-49.85
01 52 13 00-0006	MO 10' x 44' Office, With Toilet.....	274.66
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0007	MO 10' x 50' Office, With Toilet.....	289.92
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0008	MO 12' x 44' Office, With Toilet.....	309.92
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0009	MO 12' x 50' Office, With Toilet.....	340.78
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0010	MO 12' x 60' Office, With Toilet.....	371.30
	<i>For Each Delivery And Removal, Round Trip, Add</i>	1,425.94
	<i>For Each Set-Up (Block And Level), Add</i>	229.99
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0011	MO 24' x 60' Office, With Toilet.....	813.81
	<i>For Each Delivery And Removal, Round Trip, Add</i>	2,716.08
	<i>For Each Set-Up (Block And Level), Add</i>	370.95
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0012	MO 24' x 72' Office, With Toilet.....	976.57
	<i>For Each Delivery And Removal, Round Trip, Add</i>	2,716.08
	<i>For Each Set-Up (Block And Level), Add</i>	370.95
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49
01 52 13 00-0013	MO 30' x 30' Office, With Toilet.....	464.13
	<i>For Each Delivery And Removal, Round Trip, Add</i>	2,716.08
	<i>For Each Set-Up (Block And Level), Add</i>	370.95
	<i>For Each Anchoring Into Dirt, Add</i>	95.00
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	142.49

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

Note: Costs includes installation or placement in trailer.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0015 MO Desk For Field Office Trailer	28.59	
01 52 13 00-0016 MO Rolling Desk Chair For Field Office Trailer	17.87	
01 52 13 00-0017 MO File Cabinet For Field Office Trailer	21.44	
01 52 13 00-0018 MO Table For Field Office Trailer	14.29	
01 52 13 00-0019 MO Folding Chair For Field Office Trailer	6.77	
01 52 13 00-0020 EA Phone Hook-Up For Field Office Trailer	78.62	
01 52 13 00-0021 MO Local Phone Service Per Phone Line For Field Office Trailer	50.03	
01 52 13 00-0022 MO Security System With Monitoring For Field Office Trailer	80.00	
01 52 13 00-0023 LF Perimeter Trailer Skirting For Field Office Trailer	25.82	
01 52 13 00-0024 LF Insulated Perimeter Trailer Skirting For Field Office Trailer	46.94	
01 52 13 00-0025 MO Steps For Field Office Trailer	25.00	
01 52 13 00-0026 MO Fax Machine For Field Office Trailer	35.74	
01 52 13 00-0027 MO Copier For Field Office Trailer	57.18	
01 52 13 00-0028 Storage Containers (01 52 13)		
01 52 13 00-0029 MO 8' x 8' x 10' Storage Container	75.81	
For Delivery And Pick-up Of Container, Add	335.98	
For >12 Months, Deduct	-22.74	
01 52 13 00-0030 MO 8' x 8' x 20' Storage Container	79.26	
For Delivery And Pick-up Of Container, Add	335.98	
For >12 Months, Deduct	-23.78	
01 52 13 00-0031 MO 8' x 8' x 40' Storage Container	93.73	
For Delivery And Pick-up Of Container, Add	335.98	
For >12 Months, Deduct	-28.12	
01 52 19 Sanitary Facilities (01 52)		
01 52 19 00-0001 Portable Toilets (01 52 19)		
Note: Includes delivery, set-up, servicing once per week and removal.		
01 52 19 00-0002 WK Portable Toilets, Chemical	37.00	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0003 MO Portable Toilets, Chemical	111.00	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0004 WK ADA Portable Toilets, Chemical	44.13	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0005 MO ADA Portable Toilets, Chemical	129.49	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
01 52 19 00-0006 WK Two Station Portable Handwash	27.39	
01 52 19 00-0007 MO Two Station Portable Handwash	83.09	
01 52 19 00-0008 MO Portable Toilets, Multi Trailer - 16'	2,509.00	
Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009 WK Service Trailer Restrooms, 3 Times Per Week	1,880.88	
01 54 Construction Aids (01 50)		
01 54 23 Temporary Scaffolding And Platforms (01 54)		
01 54 23 00-0001 Scaffolding (01 54 23)		
Note: Additional scaffolding rental for work above the normal working height of 14'.		
01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001)		
Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month)	20.84	
For Up To 25, Add	8.34	
For >25 To 50, Add	5.21	
For >50 To 150, Add	2.08	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month)	23.44	
For Up To 25, Add	9.38	
For >25 To 50, Add	5.86	
For >50 To 150, Add	2.34	
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month)	31.26	
For Up To 25, Add	12.50	
For >25 To 50, Add	7.82	
For >50 To 150, Add	3.13	
01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)		
Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	38.08	
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	47.60	
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	57.12	
01 54 23 00-0010 CCF >60' To 80' Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	62.83	
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	72.35	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 54 23 00-0012	Rolling Scaffolding <small>(01 54 23)</small>		
	Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0013	DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	10.15	
01 54 23 00-0014	WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	40.69	
01 54 23 00-0015	MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	162.74	
01 54 23 00-0016	DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	17.00	
01 54 23 00-0017	WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	68.08	
01 54 23 00-0018	MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	272.36	
01 54 23 00-0019	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'	87.60	
01 54 23 00-0020	EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'	109.50	
01 54 23 00-0021	Temporary Lumber For Platforms, Scaffolding And Bracing <small>(01 54 23)</small>		
01 54 23 00-0022	LF 2" x 4" Thick Temporary Lumber.....	0.91	1.00
01 54 23 00-0023	LF 2" x 6" Thick Temporary Lumber.....	1.35	1.00
01 54 23 00-0024	LF 2" x 8" Thick Temporary Lumber.....	1.80	1.00
01 54 23 00-0025	LF 2" x 10" Thick Temporary Lumber.....	2.26	1.00
01 54 23 00-0026	LF 2" x 12" Thick Temporary Lumber.....	2.71	1.00
01 54 23 00-0027	LF 3" x 8" Thick Temporary Lumber.....	2.71	1.00
01 54 23 00-0028	LF 3" x 10" Thick Temporary Lumber.....	3.38	1.00
01 54 23 00-0029	LF 3" x 12" Thick Temporary Lumber.....	4.06	1.00
01 54 23 00-0030	LF 4" x 4" Temporary Lumber.....	1.92	0.50
01 54 23 00-0031	LF 6" x 6" Temporary Lumber.....	3.56	0.75
01 54 23 00-0032	LF 6" x 8" Temporary Lumber.....	4.63	0.93
01 54 23 00-0033	LF 12" x 12" Temporary Lumber.....	11.28	1.49
01 54 23 00-0034	LF 2" x 4" Temporary Lumber.....	1.25	0.64
01 54 23 00-0035	LF 2" x 6" Temporary Lumber.....	1.52	0.68
01 54 23 00-0036	LF 2" x 8" Temporary Lumber.....	1.80	0.72
01 54 23 00-0037	LF 2" x 10" Temporary Lumber.....	2.55	1.12
01 54 23 00-0038	SF 5/16" CD Grade Plywood - Temporary Lumber.....	1.23	0.48
01 54 23 00-0039	SF 1/2" CD Grade Plywood - Temporary Lumber.....	1.50	0.48
01 54 23 00-0040	SF 5/8" CD Grade Plywood - Temporary Lumber.....	1.69	0.48
01 54 23 00-0041	SF 3/4" CD Grade Plywood - Temporary Lumber.....	1.92	0.48
01 54 23 00-0042	SF 1" CD Grade Plywood - Temporary Lumber.....	2.82	0.72
01 54 26	Temporary Swing Staging <small>(01 54)</small>		
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001	Swing Stage <small>(01 54 26)</small>		
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO 7' Swing Stage, Electric Operated.....	1,502.82	
01 54 26 00-0003	MO 24' Swing Stage, Manually Operated.....	541.69	
01 54 26 00-0004	EA Swing Stage Erection And Dismantling.....	406.33	
	Note: Includes both erection and dismantling of swing stage.		
01 54 26 00-0005	EA Move Swing Stage To Different Roof At Same Site.....	191.35	
01 54 26 00-0006	EA Move Swing Stage To Different Location At Same Roof.....	88.32	
01 54 29	Temporary Sidewalk Protection <small>(01 54)</small>		
01 54 29 00-0001	Sidewalk Bridge <small>(01 54 29)</small>		
01 54 29 00-0002	Installation of Sidewalk Bridge <small>(01 54 29 00-0001)</small>		
01 54 29 00-0003	LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	64.74	
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
	For 3 Post System, Add.....	6.00	
	For Each Additional Foot Over 8' Wide, Add.....	3.00	
	For Each Additional Foot Over 8' High, Add.....	2.00	
01 54 29 00-0004	LF Installation of Netting for Sidewalk Bridge.....	3.11	
01 54 29 00-0005	Monthly Rental of Sidewalk Bridge <small>(01 54 29 00-0001)</small>		
01 54 29 00-0006	LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Assembly.....	5.36	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add.....	0.80	
01 54 29 00-0007	LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.03	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add.....	0.90	
01 54 29 00-0008	LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.70	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add.....	1.01	
01 54 29 00-0009	LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.70	
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add.....	1.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 7.37 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 1.11	7.37	
01 54 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 8.71 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 1.31	8.71	
01 54 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 8.04 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 1.21	8.04	
01 54 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 9.38 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 1.41	9.38	
01 54 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 10.05 Note: Includes spanning openings, planking and parapet, lighting and maintenance. For 3 Post System, Add 1.51	10.05	
01 54 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge 1.00	1.00	
01 54 29 00-0016 Removal of Sidewalk Bridge (01 54 29 00-0001)		
01 54 29 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly 25.37 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system. For 3 Post System, Add 2.50 For Each Additional Foot Over 8' Wide, Add 1.25 For Each Additional Foot Over 8' High, Add 0.75	25.37	
01 54 29 00-0018 LF Removal of Netting for Sidewalk Bridge 1.55	1.55	
01 55 Vehicular Access And Parking (01 50)		
01 55 23 Temporary Roads (01 55)		
01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)		
Note: As per Caltrans detail.		
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly 2.72 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	2.72	
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly 3.42 Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.42	
01 55 23 00-0004 Rumble Trench Plate (01 55 23)		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental 200.72	200.72	
01 55 23 00-0006 EA Place And Remove Rumble Plate 72.73 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	72.73	
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate 18.18 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	18.18	
01 55 26 Traffic Control (01 55)		
01 55 26 00-0001 Removable Prefomed Traffic Black Line Mask (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask 4.12	4.12	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask 5.01	5.01	
01 55 26 00-0004 Temporary Prefomed Traffic Line Tape (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape 3.16	3.16	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape 4.17	4.17	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape 5.11	5.11	
01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)		
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines 2.77 For Not Removed, Deduct -2.30	2.77	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines 3.70 For Not Removed, Deduct -3.14	3.70	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines 4.66 For Not Removed, Deduct -3.95	4.66	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad 2.10	2.10	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad 2.11	2.11	
01 55 26 00-0014 Pedestrian Traffic Control (01 55 26)		

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.74
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.60
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	7.61
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.58
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	10.81
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	15.77
01 55 26 00-0021	CLF	1" Exterior Vinyl Tape (Warning Tape)	13.43
01 55 26 00-0022	CLF	2" Exterior Vinyl Tape (Warning Tape)	19.70
01 55 26 00-0023	CLF	3" Exterior Vinyl Tape (Warning Tape)	25.81
01 55 26 00-0024	CLF	4" Exterior Vinyl Tape (Warning Tape)	30.27

01 55 26 00-0025 Traffic Protection (01 55 26)

01 55 26 00-0026 Portable Traffic Control Device Rental (01 55 26 00-0025)

Note: Excludes placing and removing devices.

01 55 26 00-0027	DAY	28" Cone With Reflective Collar	0.43
01 55 26 00-0028	WK	28" Cone With Reflective Collar	1.29
01 55 26 00-0029	MO	28" Cone With Reflective Collar	3.88
01 55 26 00-0030	DAY	Vertical Panel	1.30
01 55 26 00-0031	WK	Vertical Panel	3.90
01 55 26 00-0032	MO	Vertical Panel	11.71
01 55 26 00-0033	DAY	Channelizer Drum	1.41
01 55 26 00-0034	WK	Channelizer Drum	4.24
01 55 26 00-0035	MO	Channelizer Drum	12.72
01 55 26 00-0036	DAY	Stackable Channelizer Panel	0.67
01 55 26 00-0037	WK	Stackable Channelizer Panel	2.00
01 55 26 00-0038	MO	Stackable Channelizer Panel	6.01
01 55 26 00-0039	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	0.93
01 55 26 00-0040	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	2.78
01 55 26 00-0041	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	8.33
01 55 26 00-0042	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.05
01 55 26 00-0043	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	6.15
01 55 26 00-0044	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	18.46
01 55 26 00-0045	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.34
01 55 26 00-0046	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	7.01
01 55 26 00-0047	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	21.04
01 55 26 00-0048	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.28
01 55 26 00-0049	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	12.83
01 55 26 00-0050	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	38.48
01 55 26 00-0051	DAY	Up To 10' Wide A Frame Barricade	2.35
01 55 26 00-0052	WK	Up To 10' Wide A Frame Barricade	7.04
01 55 26 00-0053	MO	Up To 10' Wide A Frame Barricade	21.11
01 55 26 00-0054	DAY	Type A Or C Flasher	0.48
01 55 26 00-0055	WK	Type A Or C Flasher	1.43
01 55 26 00-0056	MO	Type A Or C Flasher	4.30
01 55 26 00-0057	DAY	Type B Flasher (High Intensity)	2.59
01 55 26 00-0058	WK	Type B Flasher (High Intensity)	7.78
01 55 26 00-0059	MO	Type B Flasher (High Intensity)	23.33

01 55 26 00-0060 Traffic Barriers Rental (01 55 26 00-0025)

Note: Excludes placing and removing devices.

01 55 26 00-0061	DAY	6' Long Portable Parking Curbs	1.12
01 55 26 00-0062	WK	6' Long Portable Parking Curbs	3.35
01 55 26 00-0063	MO	6' Long Portable Parking Curbs	10.05
01 55 26 00-0064	DAY	6' Long Portable Speed Bumps	3.30
01 55 26 00-0065	WK	6' Long Portable Speed Bumps	9.91
01 55 26 00-0066	MO	6' Long Portable Speed Bumps	29.74
01 55 26 00-0067	DAY	Up To 12.5' Concrete Traffic Barrier	7.94
01 55 26 00-0068	WK	Up To 12.5' Concrete Traffic Barrier	23.82
01 55 26 00-0069	MO	Up To 12.5' Concrete Traffic Barrier	71.46
01 55 26 00-0070	DAY	>12.5' To 20' Concrete Traffic Barrier	15.88
01 55 26 00-0071	WK	>12.5' To 20' Concrete Traffic Barrier	47.64
01 55 26 00-0072	MO	>12.5' To 20' Concrete Traffic Barrier	142.92
01 55 26 00-0073	DAY	6' x 32" Tall Plastic Water Barrier	9.48
01 55 26 00-0074	WK	6' x 32" Tall Plastic Water Barrier	28.44
01 55 26 00-0075	MO	6' x 32" Tall Plastic Water Barrier	85.33
01 55 26 00-0076	DAY	6' x 46" Tall Plastic Water Barrier	13.54
01 55 26 00-0077	WK	6' x 46" Tall Plastic Water Barrier	40.62
01 55 26 00-0078	MO	6' x 46" Tall Plastic Water Barrier	121.85
01 55 26 00-0079	DAY	Sand Filled Crash Attenuator Barrels	5.30
01 55 26 00-0080	WK	Sand Filled Crash Attenuator Barrels	15.90
01 55 26 00-0081	MO	Sand Filled Crash Attenuator Barrels	47.69

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

Note: Excludes placing and removing devices.

01 55 26 00-0083	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.16
01 55 26 00-0084	WK	Mesh Or Vinyl Roll-up Sign With Stand	12.48
01 55 26 00-0085	MO	Mesh Or Vinyl Roll-up Sign With Stand	37.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0086 DAY Aluminum Sign And Post	2.35	
01 55 26 00-0087 WK Aluminum Sign And Post	7.06	
01 55 26 00-0088 MO Aluminum Sign And Post	21.18	
01 55 26 00-0089 DAY Aluminum Sign And A Frame Stand	3.15	
01 55 26 00-0090 WK Aluminum Sign And A Frame Stand	9.44	
01 55 26 00-0091 MO Aluminum Sign And A Frame Stand	28.31	
01 55 26 00-0092 DAY Trailer Mounted Flashing Arrow Board	47.99	
01 55 26 00-0093 WK Trailer Mounted Flashing Arrow Board	143.98	
01 55 26 00-0094 MO Trailer Mounted Flashing Arrow Board	431.95	
01 55 26 00-0095 DAY Trailer Mounted Portable Variable Message Sign (PVMS)	183.00	
01 55 26 00-0096 WK Trailer Mounted Portable Variable Message Sign (PVMS)	549.00	
01 55 26 00-0097 MO Trailer Mounted Portable Variable Message Sign (PVMS)	1,647.00	
01 55 26 00-0098 DAY Trailer Mounted Traffic Signal.....	259.15	
Note: Consists of 2 LED traffic light heads, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0099 WK Trailer Mounted Traffic Signal.....	1,710.39	
Note: Consists of 2 LED traffic light heads, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0100 MO Trailer Mounted Traffic Signal.....	6,737.90	
Note: Consists of 2 LED traffic light heads, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0101 Place And Remove Traffic Protection Using Truck (01 55 26 00-0025)		
Note: Includes delivery and return up to 15 miles.		
01 55 26 00-0102 EA Place And Remove Up To 250 Cones Using Truck	3.58	
01 55 26 00-0103 EA Place And Remove >250 Cones Using Truck.....	2.86	
01 55 26 00-0104 EA Place And Remove Up To 250 Panels/Channelizers Using Truck.....	4.77	
01 55 26 00-0105 EA Place And Remove >250 Panels/Channelizers Using Truck	3.82	
01 55 26 00-0106 EA Place And Remove Up To 250 Barricades Using Truck	7.16	
01 55 26 00-0107 EA Place And Remove >250 Barricades Using Truck.....	5.73	
01 55 26 00-0108 EA Place And Remove Curbs/Speed Bumps Using Truck	7.16	
01 55 26 00-0109 EA Place And Remove Portable Sign And Stand Using Truck.....	4.29	
01 55 26 00-0110 EA Place And Remove Aluminum Sign And Post Using Truck.....	17.90	
01 55 26 00-0111 EA Place And Remove Trailer Mounted Boards Using Truck.....	53.70	
01 55 26 00-0112 EA Place And Remove Up To 12.5' Concrete Traffic Barrier.....	72.73	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	181.83	
For 2 Barriers, Add	65.46	
For 3 Barriers, Add	21.82	
01 55 26 00-0113 EA Place And Remove >12.5' Concrete Traffic Barrier	109.09	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	272.73	
For 2 Barriers, Add	98.18	
For 3 Barriers, Add	32.73	
01 55 26 00-0114 EA Place And Remove Plastic Water Barrier	37.87	
Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	90.90	
For 2 Barriers, Add	32.72	
For 3 Barriers, Add	10.91	
01 55 26 00-0115 EA Place And Remove Crash Attenuator Barrels.....	54.55	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	136.38	
For 2 Barriers, Add	49.10	
For 3 Barriers, Add	16.37	
01 55 26 00-0116 Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0025)		
01 55 26 00-0117 EA Place And Remove Up To 250 Cones By Hand From Roadside	1.79	
01 55 26 00-0118 EA Place And Remove >250 Cones By Hand From Roadside.....	1.43	
01 55 26 00-0119 EA Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....	2.39	
01 55 26 00-0120 EA Place And Remove >250 Panels/Channelizers By Hand From Roadside	1.90	
01 55 26 00-0121 EA Place And Remove Up To 250 Barricades By Hand From Roadside	3.58	
01 55 26 00-0122 EA Place And Remove >250 Barricades By Hand From Roadside	2.86	
01 55 26 00-0123 EA Place And Remove Portable Sign And Stand From Roadside.....	2.23	
01 55 26 00-0124 EA Place And Remove Trailer Mounted Boards From Roadside	26.85	
01 55 26 00-0125 EA Roadside Relocation Of Concrete Traffic Barrier.....	36.36	
Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		

01 56 Temporary Barriers And Enclosures (01 50)

Note: Includes removal after use.

01 56 26 Temporary Fencing (01 56)

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

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

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0002			Temporary Chain Link Fence <small>(01 56 26 00-0001)</small> Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	3.15	
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.32	
			For >500, Deduct	-0.47	
			For Shade Cloth, Add	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	3.56	
			For >100 To 250, Deduct	-0.18	
			For >250 To 500, Deduct	-0.36	
			For >500, Deduct	-0.53	
			For Shade Cloth, Add	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	6.01	
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.60	
			For >500, Deduct	-0.90	
			For Shade Cloth, Add	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	17.88	
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.79	
			For >500, Deduct	-2.68	
			For Shade Cloth, Add	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	3.48	
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.35	
			For >500, Deduct	-0.52	
			For Shade Cloth, Add	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	3.91	
			For >100 To 250, Deduct	-0.20	
			For >250 To 500, Deduct	-0.39	
			For >500, Deduct	-0.59	
			For Shade Cloth, Add	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	6.61	
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.66	
			For >500, Deduct	-0.99	
			For Shade Cloth, Add	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	19.66	
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.95	
			For Shade Cloth, Add	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	3.83	
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.38	
			For >500, Deduct	-0.57	
			For Shade Cloth, Add	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	4.31	
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.43	
			For >500, Deduct	-0.65	
			For Shade Cloth, Add	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	7.28	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.09	
			For Shade Cloth, Add	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	21.63	
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-2.16	
			For >500, Deduct	-3.24	
			For Shade Cloth, Add	4.75	
01 56 26 00-0018			Temporary Chain Link Fence, >18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.21	
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.42	
			For >500, Deduct	-0.63	
			For Shade Cloth, Add	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	4.72	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.47	
			For >500, Deduct	-0.71	
			For Shade Cloth, Add	2.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	7.99	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.20	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	23.78	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-2.38	
<i>For >500, Deduct</i>	-3.57	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	200.98	
<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	312.64	
<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	357.30	
<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	401.96	
<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	491.28	
<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	535.97	
<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	210.12	
<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.84	
<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	373.53	
<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	420.25	
<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	560.31	
<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	231.13	
<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	359.54	
<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.90	
<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	462.26	
<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.99	
<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	616.35	
<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	288.91	
<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.42	
<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	577.83	
<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	706.23	
<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	770.43	
<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	211.03	
<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	328.27	
<i>For Shade Cloth, Add</i>	37.52	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	375.17	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	422.06	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	515.84	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	562.76	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	220.63	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	343.19	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	392.21	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	441.26	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	588.33	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	242.69	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	377.51	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	431.44	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	485.37	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	593.23	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	647.16	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	303.36	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	471.89	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	606.72	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	741.54	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	808.96	
			<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	221.58	
			<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	344.69	
			<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	393.93	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	443.16	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	541.64	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	590.90	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	231.66	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	360.35	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	411.82	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	463.32	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
			<i>For Shade Cloth, Add</i>	119.58	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	617.74 143.50	
01 56 26 00-0097			8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	254.82 33.77	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	396.39 84.41	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	453.02 101.30	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	509.64 126.62	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	622.90 168.83	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	679.52 202.59	
01 56 26 00-0104			10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	318.53 44.55	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	495.49 111.38	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	566.27 133.65	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	637.05 167.07	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	778.62 222.76	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	849.40 267.31	
01 56 26 00-0111			Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112			4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	232.13 15.01	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	361.10 37.52	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	412.68 45.02	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	464.27 56.28	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	567.43 75.03	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	619.04 90.04	
01 56 26 00-0119			6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	242.69 23.92	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	377.50 59.79	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	431.43 71.75	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	485.38 89.69	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	593.23 119.58	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	647.16 143.50	
01 56 26 00-0126			8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	266.96 33.77	
01 56 26 00-0128	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	415.26 84.41	
01 56 26 00-0129	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	474.59 101.30	
01 56 26 00-0130	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	533.91 126.62	
01 56 26 00-0131	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	652.56 168.83	
01 56 26 00-0132	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	711.88 202.59	
01 56 26 00-0133			10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	333.69	
For Shade Cloth, Add	44.55	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	519.08	
For Shade Cloth, Add	111.38	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	593.23	
For Shade Cloth, Add	133.65	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	667.39	
For Shade Cloth, Add	167.07	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	815.70	
For Shade Cloth, Add	222.76	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	889.85	
For Shade Cloth, Add	267.31	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	3.78	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.57	
For Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.23	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	6.82	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
For Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	4.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.62	
For Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	4.58	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.42	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
For Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	4.42	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
For Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	4.99	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.75	
For Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.09	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.21	
For Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	4.83	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.72	
For Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	5.39	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.81	
For Shade Cloth, Add	2.55	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Shade Cloth, Add</i>	8.79 -0.44 -0.88 -1.32 3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag..... Note: Includes placement and removal.	5.63	
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001) Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts 01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts 01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts 01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	2.50 3.75 5.41 6.67	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing 01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing 01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.70 0.84 0.94	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts..... 01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts..... 01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts..... 01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	91.11 105.13 129.67 140.18	
01 56 26 00-0174 Temporary Safety Fence (01 56 26) Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.42	
01 56 29 Temporary Protective Walkways (01 56)		
01 56 29 00-0001 Temporary Walkways And Railings (01 56 29)		
01 56 29 00-0002 LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway Note: Excludes walkway.	8.95	
01 56 29 00-0003 SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers.....	4.44	
01 56 29 00-0004 RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser)	15.54	
01 56 29 00-0005 Safety Nets (01 56 29)		
01 56 29 00-0006 SF Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	1.37	
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Temporary Fiberglass Panels (01 56 33)		
01 56 33 00-0002 SF Prefabricated Fiberglass Panels.....	1.53	
01 56 33 00-0003 Temporary Safety Guardrail (01 56 33) Note: Includes removal after use.		
01 56 33 00-0004 LF 42" High, Wood Temporary Safety Guardrail..... Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots. <i>For Attachment To A Concrete Substrate, Add</i>	22.60 1.13	
01 56 33 00-0005 Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006 OPN Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day 01 56 33 00-0007 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners..... 01 56 33 00-0008 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	10.51 5.71 6.62	
01 56 33 00-0009 Street Barricade (01 56 33)		
01 56 33 00-0010 LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	7.92	
01 56 39 Temporary Tree And Plant Protection (01 56)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 39 00-0001	Temporary Tree Guards <small>(01 56 39)</small> Note: Includes digging holes and removal.		
01 56 39 00-0002	EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	136.74	
01 56 39 00-0003	EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	157.94	
01 56 39 00-0004	EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	170.74	

01 57 Temporary Controls (01 50)

01 57 13 Temporary Erosion And Sediment Control (01 57)
See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)
See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001	Temporary Drain Guard <small>(01 57 23)</small> Note: Includes removal after use.		
01 57 23 00-0002	EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	64.63	
01 57 23 00-0003	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	63.60	
	Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	78.14	
	Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)	77.10	
	Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)	92.68	
	Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001	Project Sign <small>(01 58 13)</small>		
01 58 13 00-0002	MDO Plywood Signs <small>(01 58 13 00-0001)</small> Note: Excludes posts.		
01 58 13 00-0003	Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0003)</small>		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	100.74	19.28
	For High-Intensity Grade, Add	21.77	
	For Diamond Grade, Add	41.98	
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	164.69	20.15
	For High-Intensity Grade, Add	43.53	
	For Diamond Grade, Add	83.96	
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	228.63	21.03
	For High-Intensity Grade, Add	65.30	
	For Diamond Grade, Add	125.93	
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	292.58	21.91
	For High-Intensity Grade, Add	87.07	
	For Diamond Grade, Add	167.92	
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	9.17	0.70
	For High-Intensity Grade, Add	2.72	
	For Diamond Grade, Add	5.24	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011	One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	122.93	19.28
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	144.83	20.15
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	178.70	21.03
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	210.71	21.91
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	6.62	0.70

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	125.30	19.28
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	157.63	20.15
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	191.71	21.03
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	221.86	21.91
01 58 13 00-0022	SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.96	0.70

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF Galvanized Metal Channel Sign Posts	10.83	
01 58 13 00-0025	LF 4" x 4" Pressure Treated Wood Sign Posts	8.39	
01 58 13 00-0026	LF 4" x 6" Pressure Treated Wood Sign Posts	9.85	



General Requirements	01	10
Temporary Facilities And Controls	01 50	
Project Identification	01 58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0027 Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Install And Remove Owner Supplied Project Sign	70.10	
01 60 Product Requirements <small>(01)</small>		
01 66 Product Storage And Handling Requirements <small>(01 60)</small>		
01 66 19 Material Handling <small>(01 66)</small>		
Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.		
01 66 19 00-0001 Material Handling Between Floors <small>(01 66 19)</small>		
01 66 19 00-0002 CY Moving Material Via Stairs, Per CY Of Material Per Floor.....	7.71	
Note: Quantity equals material volume times number of floors traveled.		
01 66 19 00-0003 CY Moving Material Via Elevator, Per CY Of Material	4.62	
Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.		
01 66 19 00-0004 Moving Furniture <small>(01 66 19)</small>		
Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.		
01 66 19 00-0005 SF Remove, Transport, Return And Reinstall Office Furniture.....	0.87	
Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.		
01 66 19 00-0006 Material Handling For Distances Greater Than 125' <small>(01 66 19)</small>		
01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125'	3.65	
Note: For delivery, demolition or miscellaneous moving required by owner.		
01 66 19 00-0008 Rubbish Handling Between Floors <small>(01 66 19)</small>		
Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.		
01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor.....	7.01	
Note: Quantity equals material volume times bulk factor times number of floors traveled.		
01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material	4.20	
Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.		
01 70 Execution And Closeout Requirements <small>(01)</small>		
01 71 Examination And Preparation <small>(01 70)</small>		
01 71 13 Mobilization <small>(01 71)</small>		
01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>		
Note: Excludes flagman for traffic control where necessary. See CSI section 01 22 23 00-0772 for cranes.		
01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	201.32	
Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.		
01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	402.63	
Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.		
01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>		
Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Truck Mounted Crane	260.40	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		65.10
For >60 To 100 Miles Radius, Add		104.16
01 71 13 00-0006 EA 20 To 30 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	374.98	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		93.75
For >60 To 100 Miles Radius, Add		149.99
01 71 13 00-0007 EA 40 To 50 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	499.97	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		124.99
For >60 To 100 Miles Radius, Add		199.99

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0008	EA		70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane.....	812.45	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	203.11	
			For >60 To 100 Miles Radius, Add	324.98	
01 71 13 00-0009	EA		75 Ton Lift Move On/Off Cost, Mechanical Crane.....	641.63	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	160.41	
			For >60 To 100 Miles Radius, Add	256.65	
01 71 13 00-0010	EA		100 Ton Lift Move On/Off Cost, Mechanical Crane.....	1,041.60	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	260.40	
			For >60 To 100 Miles Radius, Add	416.64	
01 71 13 00-0011	EA		125 Ton Lift Move On/Off Cost, Mechanical Crane.....	1,291.58	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	322.90	
			For >60 To 100 Miles Radius, Add	516.63	
01 71 13 00-0012	EA		150 Ton Lift Move On/Off Cost, Mechanical Crane.....	1,604.06	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	401.02	
			For >60 To 100 Miles Radius, Add	641.62	
01 71 13 00-0013	EA		250 Ton Lift Move On/Off Cost, Mechanical Crane.....	2,916.48	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	729.12	
			For >60 To 100 Miles Radius, Add	1,166.59	
01 71 13 00-0014	EA		300 Ton Lift Move On/Off Cost, Mechanical Crane.....	4,166.40	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	1,041.60	
			For >60 To 100 Miles Radius, Add	1,666.56	
01 71 13 00-0015	EA		500 Ton Lift Move On/Off Cost, Mechanical Crane.....	6,249.60	
			Note: Includes delivery and pickup.		
			For >30 To 60 Miles Radius, Add	1,562.40	
			For >60 To 100 Miles Radius, Add	2,499.84	
01 71 23			Field Engineering (01 71)		
01 71 23 16			Construction Surveying (01 71 23)		
01 71 23 16-0001			Conventional Topographic Survey (01 71 23 16)		
			Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR		Survey Clear Area With Few To No Obstacles	769.94	
01 71 23 16-0003	ACR		Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	2,205.47	
01 71 23 16-0004	ACR		Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	3,162.57	
01 71 23 16-0005	ACR		Survey Developed Areas With Several Structures (25-65% Buildings).....	4,791.78	
01 71 23 16-0006	ACR		Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	6,012.79	
01 71 23 16-0007			Property Lines Survey (01 71 23 16)		
			Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF		Survey Property Lines On Cleared Land.....	1.82	
01 71 23 16-0009	LF		Survey Property Lines On Slightly Wooded Land	2.11	
01 71 23 16-0010	LF		Survey Property Lines On Wooded Land.....	2.47	
01 71 23 16-0011			Survey Monument (01 71 23 16)		
01 71 23 16-0012	EA		3' Precast Survey Monument	119.20	
			For Owner Furnished Monument, Deduct	-51.49	
01 71 23 16-0013	EA		Precast Survey Monument Box With Cast Iron Frame And Cover	166.16	
01 71 23 16-0014	EA		Riser Ring For Survey Monument.....	83.80	
01 71 23 16-0015	EA		Adjust Survey Monument Cover To Grade	51.49	
01 71 23 16-0016			Facade Surveying (01 71 23 16)		
01 71 23 16-0017	LF		Facade Survey And Reports (LF Of Facade x Number Of Floors).....	5.00	
01 71 23 16-0018			Utility Survey (01 71 23 16)		
			Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR		Survey Clear Area For Underground Utilities	4,149.76	
01 71 36			Non-Destructive Concrete Examination (01 71)		
01 71 36 00-0001			X-Ray And Electromagnetic Survey (01 71 36)		
			Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002			X-Ray Or Electromagnetic Survey Minimum Set-Up Charge (01 71 36 00-0001)		
01 71 36 00-0003	EA		X-Ray Or Electromagnetic Survey Minimum Set-Up Charge	638.18	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0004 X-Ray Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0005 EA X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt..... <i>For >8 To 25, Deduct</i>	138.52	-31.25
01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0007 EA Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	277.05	
01 71 36 00-0008 EA Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt.....	554.10	
01 71 36 00-0009 SF Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt.....	1.11	
01 74 Cleaning And Waste Management <small>(01 70)</small>		
01 74 13 Progress Cleaning <small>(01 74)</small>		
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General <small>(01 74 13)</small>		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	17.54	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster..... Note: Per CY of debris removed.	20.54	
01 74 16 Site Maintenance <small>(01 74)</small>		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance <small>(01 74 16)</small>		
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002 Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	14.59	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	17.50	
01 74 16 00-0005 MSF Sweep Runway, With Street Sweep.....	21.88	
01 74 19 Construction Waste Management And Disposal <small>(01 74)</small>		
Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001 Debris Chutes <small>(01 74 19)</small>		
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002 Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	23.89	
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	35.77	
01 74 19 00-0005 Plastic Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute..... <i>For Steel Liner, Add</i>	9.44	1.81
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute..... <i>For Steel Liner, Add</i>	10.82	2.07
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute..... <i>For Steel Liner, Add</i>	12.19	2.34
01 74 19 00-0009 Wood Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute..... Note: Includes fabrication and installation.	18.06	
01 74 19 00-0011 Construction Dumpsters Rental <small>(01 74 19)</small>		
Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012 EA 6 CY Dumpster (1 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	522.08	145.00
01 74 19 00-0013 EA 10 CY Dumpster (1.5 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	447.49	145.00
01 74 19 00-0014 EA 15 CY Dumpster (2 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	640.00	145.00
01 74 19 00-0015 EA 20 CY Dumpster (3 Ton) "Construction Debris"..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	740.00	145.00

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0016 EA 30 CY Dumpster (4 Ton) "Construction Debris".....	894.99	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	145.00	
01 74 19 00-0017 EA 40 CY Dumpster (5 Ton) "Construction Debris".....	1,039.99	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
For Each Ton Over Indicated Amount, Add	145.00	
01 74 19 00-0018 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	1,039.99	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Clean Recyclable.....	1,194.50	
Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0020 EA 15 CY Low-Boy Dumpster Mixed Recyclable.....	1,283.64	
Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0021 Concrete Washout Service (01 74 19)		
01 74 19 00-0022 MO Rampless Concrete Washout Bin.....	636.83	
Note: Includes delivery.		
01 74 19 00-0023 MO Ramped Concrete Washout Bin.....	764.20	
Note: Includes delivery.		
01 74 19 00-0024 EA Interim Vacuum Service, Concrete Washout Bin.....	310.98	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0025 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	673.79	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0026 Debris Processing Fee (01 74 19)		
01 74 19 00-0027 Recycler Fees (01 74 19 00-0026)		
Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0028 CY Drop-Off Asphalt At Recycling Center.....	20.00	
01 74 19 00-0029 CY Drop-Off Concrete At Recycling Center.....	10.00	
01 74 19 00-0030 Landfill Dump Fees (01 74 19 00-0026)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0050 for hauling.		
01 74 19 00-0031 CY Traditional Building Construction Materials Landfill Dump Fee.....	13.31	
01 74 19 00-0032 CY Trees, Stumps And Brush, Landfill Dump Fee.....	16.02	
01 74 19 00-0033 CY Rubbish Landfill Dump Fee.....	13.06	
01 74 19 00-0034 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee.....	38.20	
01 74 19 00-0035 CY Excavated Dirt Landfill Dump Fee.....	12.82	
01 74 19 00-0036 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee.....	27.14	
01 74 19 00-0037 TON Traditional Building Construction Materials, Landfill Dump Fee.....	58.00	
01 74 19 00-0038 CY Non Reinforced Concrete And/Or Rock, 2" Minus.....	4.20	
01 74 19 00-0039 CY Reinforced Concrete And/Or Rock, 2" Minus, Rebar Trimmed To 1".....	5.85	
01 74 19 00-0040 CY Reinforced Concrete not trimmed, 2" Minus.....	10.40	
01 74 19 00-0041 CY Mixed Asphalt And Concrete, Sized And Trimmed.....	3.87	
01 74 19 00-0042 CY Asphalt Or Asphalt And Dirt, Sized To 2" Minus.....	5.85	
01 74 19 00-0043 CY Reinforced Concrete And Asphalt, Not Trimmed, 2" Minus.....	12.50	
01 74 19 00-0044 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash).....	25.78	
01 74 19 00-0045 CY Clay Loads, Expansive Materials.....	32.23	
01 74 19 00-0046 CY Clean Asphalt, Sized 2" Minus, No Dirt.....	4.60	
01 74 19 00-0047 TON General Refuse.....	38.67	
01 74 19 00-0048 TON Hard-To-Handle Refuse.....	64.45	
01 74 19 00-0049 EA Tires.....	11.82	
01 74 19 00-0050 Hauling (01 74 19)		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0051 CYM Hauling On Paved Roads, First 15 Miles.....	0.65	
01 74 19 00-0052 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.44	
01 74 19 00-0053 CYM Hauling On Unimproved Roads, First 15 Miles.....	1.00	
01 74 19 00-0054 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	0.78	
01 74 23 Final Cleaning (01 74)		
01 74 23 00-0001 Glass (01 74 23)		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	22.90	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 01

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



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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

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

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

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

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

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

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

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

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

02 32 13 00-0002 EA Mobilization Of Drilling Crew904.51

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

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals22.33

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

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples32.13

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples35.24

02 32 13 00-0008 Drilling In Rock, AW Core (1.25") ^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, AW Core66.39

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With AW Core Boxes5.64

02 32 13 00-0011 Drilling In Rock, BW Core (2.125") ^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, BW Core71.38

Note: Includes sampling.

02 32 13 00-0013 LF Drill In Rock, BW Core, With Casing77.13

Note: Includes sampling.

02 32 13 00-0014 EA Drill In Rock, With BW Core Boxes5.64

02 32 13 00-0015 Drilling In Rock, NW Core (2.98") ^(02 32 13)

02 32 13 00-0016 LF Drill In Rock, NW Core79.29

Note: Includes sampling.

02 32 13 00-0017 LF Drill In Rock, NW Core, With Casing85.98

Note: Includes sampling.

02 32 13 00-0018 EA Drill In Rock, With NW Core Boxes6.51

02 32 13 00-0019 Test Pits For Boring Activities ^(02 32 13)

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

02 32 13 00-0020 Backhoe Dug Test Pits ^(02 32 13 00-0019)

02 32 13 00-0021 CY Excavation For Test Pit, Light Material, Backhoe Excavation48.58

02 32 13 00-0022 CY Excavation For Test Pits, Medium Material, Backhoe Excavation56.69

02 32 13 00-0023 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation75.59

02 32 13 00-0024 Hand-Dug Test Pits ^(02 32 13 00-0019)

02 32 13 00-0025 CY Excavation For Test Pit, Light Soil, Hand Excavation155.76

02 32 13 00-0026 CY Excavation For Test Pit, Heavy Soil, Hand Excavation280.36

02 32 13 00-0027 Shelby Tube Sampling ^(02 32 13)

02 32 13 00-0028 EA Shelby Tube Sampling27.16

02 32 13 00-0029 EA Penetration Test22.13

02 32 13 00-0030 Grouting ^(02 32 13)

02 32 13 00-0031 VLF Boreholes5.15

02 40 Demolition And Structure Moving ⁽⁰²⁾



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 Demolition ^(02 40)

02 41 13 Selective Site Demolition ^(02 41)

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

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

02 41 13 13-0001 **By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0046 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	4.93
		For >500 To 1,000, Deduct	-0.49
		For >1,000 To 2,500, Deduct	-0.89
		For >2,500 To 5,000, Deduct	-1.28
		For >5,000 To 10,000, Deduct	-1.68
		For >10,000, Deduct	-2.07
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	7.39
		For >500 To 1,000, Deduct	-0.74
		For >1,000 To 2,500, Deduct	-1.33
		For >2,500 To 5,000, Deduct	-1.92
		For >5,000 To 10,000, Deduct	-2.51
		For >10,000, Deduct	-3.10
02 41 13 13-0004	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	8.94
		For >500 To 1,000, Deduct	-0.89
		For >1,000 To 2,500, Deduct	-1.61
		For >2,500 To 5,000, Deduct	-2.32
		For >5,000 To 10,000, Deduct	-3.04
		For >10,000, Deduct	-3.75
02 41 13 13-0005	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving.....	12.61
		For >500 To 1,000, Deduct	-1.26
		For >1,000 To 2,500, Deduct	-2.27
		For >2,500 To 5,000, Deduct	-3.28
		For >5,000 To 10,000, Deduct	-4.29
		For >10,000, Deduct	-5.30
02 41 13 13-0006	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving.....	17.87
		For >500 To 1,000, Deduct	-1.79
		For >1,000 To 2,500, Deduct	-3.22
		For >2,500 To 5,000, Deduct	-4.65
		For >5,000 To 10,000, Deduct	-6.08
		For >10,000, Deduct	-7.51
02 41 13 13-0007	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	25.23
		For >500 To 1,000, Deduct	-2.52
		For >1,000 To 2,500, Deduct	-4.54
		For >2,500 To 5,000, Deduct	-6.56
		For >5,000 To 10,000, Deduct	-8.58
		For >10,000, Deduct	-10.60
02 41 13 13-0008	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	33.00
		For >500 To 1,000, Deduct	-3.30
		For >1,000 To 2,500, Deduct	-5.94
		For >2,500 To 5,000, Deduct	-8.58
		For >5,000 To 10,000, Deduct	-11.22
		For >10,000, Deduct	-13.86
02 41 13 13-0009	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	42.89
		For >500 To 1,000, Deduct	-4.29
		For >1,000 To 2,500, Deduct	-7.72
		For >2,500 To 5,000, Deduct	-11.15
		For >5,000 To 10,000, Deduct	-14.58
		For >10,000, Deduct	-18.01

02 41 13 13-0010 **By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0031 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0046 for saw cutting.

02 41 13 13-0011	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.31
02 41 13 13-0012	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.66
02 41 13 13-0013	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.19
02 41 13 13-0014	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.64
02 41 13 13-0015	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving.....	2.08
02 41 13 13-0016	SF	Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	2.75

02 41 13 13-0017 **By Machine, Break-up And Remove Bituminous And Concrete Paving** ^(02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	9.98	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	2.99	
<i>For Elevated Slab, Add</i>	4.99	
<i>For >500 To 1,000, Deduct</i>	-1.00	
<i>For >1,000 To 2,500, Deduct</i>	-1.80	
<i>For >2,500 To 5,000, Deduct</i>	-2.59	
<i>For >5,000 To 10,000, Deduct</i>	-3.39	
<i>For >10,000, Deduct</i>	-4.19	
02 41 13 13-0019 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	13.62	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.09	
<i>For Elevated Slab, Add</i>	6.81	
<i>For >500 To 1,000, Deduct</i>	-1.36	
<i>For >1,000 To 2,500, Deduct</i>	-2.45	
<i>For >2,500 To 5,000, Deduct</i>	-3.54	
<i>For >5,000 To 10,000, Deduct</i>	-4.63	
<i>For >10,000, Deduct</i>	-5.72	
02 41 13 13-0020 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	11.47	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	3.44	
<i>For Elevated Slab, Add</i>	5.74	
<i>For >500 To 1,000, Deduct</i>	-1.15	
<i>For >1,000 To 2,500, Deduct</i>	-2.06	
<i>For >2,500 To 5,000, Deduct</i>	-2.98	
<i>For >5,000 To 10,000, Deduct</i>	-3.90	
<i>For >10,000, Deduct</i>	-4.82	
02 41 13 13-0021 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	15.01	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.50	
<i>For Elevated Slab, Add</i>	7.51	
<i>For >500 To 1,000, Deduct</i>	-1.50	
<i>For >1,000 To 2,500, Deduct</i>	-2.70	
<i>For >2,500 To 5,000, Deduct</i>	-3.90	
<i>For >5,000 To 10,000, Deduct</i>	-5.10	
<i>For >10,000, Deduct</i>	-6.30	
02 41 13 13-0022 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	15.23	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	4.57	
<i>For Elevated Slab, Add</i>	7.62	
<i>For >500 To 1,000, Deduct</i>	-1.52	
<i>For >1,000 To 2,500, Deduct</i>	-2.74	
<i>For >2,500 To 5,000, Deduct</i>	-3.96	
<i>For >5,000 To 10,000, Deduct</i>	-5.18	
<i>For >10,000, Deduct</i>	-6.40	
02 41 13 13-0023 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	19.73	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	5.92	
<i>For Elevated Slab, Add</i>	9.87	
<i>For >500 To 1,000, Deduct</i>	-1.97	
<i>For >1,000 To 2,500, Deduct</i>	-3.55	
<i>For >2,500 To 5,000, Deduct</i>	-5.13	
<i>For >5,000 To 10,000, Deduct</i>	-6.71	
<i>For >10,000, Deduct</i>	-8.29	
02 41 13 13-0024 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	32.70	
<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	9.81	
<i>For Elevated Slab, Add</i>	16.35	
<i>For >500 To 1,000, Deduct</i>	-3.27	
<i>For >1,000 To 2,500, Deduct</i>	-5.89	
<i>For >2,500 To 5,000, Deduct</i>	-8.50	
<i>For >5,000 To 10,000, Deduct</i>	-11.12	
<i>For >10,000, Deduct</i>	-13.73	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	16.51	
<i>For Elevated Slab, Add</i>	8.26	
<i>For >500 To 1,000, Deduct</i>	-1.65	
<i>For >1,000 To 2,500, Deduct</i>	-2.97	
<i>For >2,500 To 5,000, Deduct</i>	-4.29	
<i>For >5,000 To 10,000, Deduct</i>	-5.61	
<i>For >10,000, Deduct</i>	-6.93	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	21.24	
<i>For Elevated Slab, Add</i>	10.62	
<i>For >500 To 1,000, Deduct</i>	-2.12	
<i>For >1,000 To 2,500, Deduct</i>	-3.82	
<i>For >2,500 To 5,000, Deduct</i>	-5.52	
<i>For >5,000 To 10,000, Deduct</i>	-7.22	
<i>For >10,000, Deduct</i>	-8.92	
02 41 13 13-0027 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	37.96	
<i>For Elevated Slab, Add</i>	18.98	
<i>For >500 To 1,000, Deduct</i>	-3.80	
<i>For >1,000 To 2,500, Deduct</i>	-6.83	
<i>For >2,500 To 5,000, Deduct</i>	-9.87	
<i>For >5,000 To 10,000, Deduct</i>	-12.91	
<i>For >10,000, Deduct</i>	-15.94	
02 41 13 13-0028 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	49.54	
<i>For Elevated Slab, Add</i>	24.77	
<i>For >500 To 1,000, Deduct</i>	-4.95	
<i>For >1,000 To 2,500, Deduct</i>	-8.92	
<i>For >2,500 To 5,000, Deduct</i>	-12.88	
<i>For >5,000 To 10,000, Deduct</i>	-16.84	
<i>For >10,000, Deduct</i>	-20.81	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0029	SY		>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	64.77	
			<i>For Elevated Slab, Add</i>	32.39	
			<i>For >500 To 1,000, Deduct</i>	-6.48	
			<i>For >1,000 To 2,500, Deduct</i>	-11.66	
			<i>For >2,500 To 5,000, Deduct</i>	-16.84	
			<i>For >5,000 To 10,000, Deduct</i>	-22.02	
			<i>For >10,000, Deduct</i>	-27.20	
02 41 13 13-0030	SY		>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	78.60	
			<i>For Elevated Slab, Add</i>	39.30	
			<i>For >500 To 1,000, Deduct</i>	-7.86	
			<i>For >1,000 To 2,500, Deduct</i>	-14.15	
			<i>For >2,500 To 5,000, Deduct</i>	-20.44	
			<i>For >5,000 To 10,000, Deduct</i>	-26.72	
			<i>For >10,000, Deduct</i>	-33.01	
02 41 13 13-0031			By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13) Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 13 13-0032	SF		>6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	5.00	
02 41 13 13-0033	SF		Up To 3" By Hand, Break-up And Remove Concrete Paving.....	3.65	
02 41 13 13-0034	SF		>3" To 6" By Hand, Break-up And Remove Concrete Paving.....	5.04	
02 41 13 13-0035	SF		>6" To 8" By Hand, Break-up And Remove Concrete Paving.....	6.46	
02 41 13 13-0036			Grind Concrete (02 41 13 13)		
02 41 13 13-0037	EA		Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	155.93	
			Note: For each location up to 5' wide, feather up to 12" each direction.		
			<i>For >1/2" To 1" Depth Of Grinding, Add</i>	23.39	
			<i>For >1" To 1-1/2" Depth Of Grinding, Add</i>	38.98	
			<i>For Up To 5, Add</i>	31.19	
			<i>For >5 To 10, Add</i>	15.59	
			<i>For >25 To 50, Deduct</i>	-15.59	
			<i>For >50 To 250, Deduct</i>	-23.39	
			<i>For >250, Deduct</i>	-31.19	
			<i>For Sidewalks >5', Add</i>	15.59	
			<i>For Up To 12" Additional Feathering Per Side, Add</i>	15.59	
02 41 13 13-0038			Repair Uneven Sidewalks (02 41 13 13) Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 +0)/2=1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.		
02 41 13 13-0039	IF		Up To 2000 Inch Feet Repair Uneven Sidewalks	53.59	
02 41 13 13-0040	IF		2000 To 3000 Inch Feet Repair Uneven Sidewalks	50.84	
02 41 13 13-0041	IF		3000 And Up Inch Feet Repair Uneven Sidewalks	48.10	
02 41 19			Selective Demolition (02 41)		
02 41 19 13			Selective Building Demolition (02 41 19)		
02 41 19 13-0001			Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002			Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003	VLF		8" x 8" Masonry Column Removal.....	11.74	
02 41 19 13-0004	VLF		10" x 10" Masonry Column Removal.....	18.33	
02 41 19 13-0005	VLF		12" x 12" Masonry Column Removal.....	23.49	
02 41 19 13-0006	VLF		14" x 14" Masonry Column Removal.....	29.40	
02 41 19 13-0007	VLF		16" x 16" Masonry Column Removal.....	36.11	
02 41 19 13-0008	CF		Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	20.29	
02 41 19 13-0009			Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010	CF		Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	23.79	
02 41 19 13-0011	CF		>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.86	
02 41 19 13-0012	CF		>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.67	
02 41 19 13-0013	CF		>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.47	
02 41 19 13-0014			Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 19 13-0015	LF		Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	14.26	
02 41 19 13-0016	LF		>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	21.48	
02 41 19 13-0017	LF		>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	41.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0018 Facade Removal <small>(02 41 19 13-0001)</small>		
<small>Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.</small>		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal	4.47	
<i>For Cleaning and Storage For Reuse, Add</i>	3.35	
<i>For Reinforcing, Add</i>	0.67	
02 41 19 13-0020 Exterior Masonry Removal <small>(02 41 19 13-0001)</small>		
<small>Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.</small>		
02 41 19 13-0021 SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	3.93	
02 41 19 13-0022 SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	4.43	
02 41 19 13-0023 SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	5.36	
02 41 19 13-0024 SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	5.86	
02 41 19 13-0025 SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	6.43	
02 41 19 13-0026 SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall	8.05	
02 41 19 13-0027 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall	4.64	
02 41 19 13-0028 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall	5.32	
02 41 19 13-0029 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall	6.43	
02 41 19 13-0030 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall	7.03	
02 41 19 13-0031 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall	7.72	
02 41 19 13-0032 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall	9.65	
02 41 19 13-0033 SF Demolish 4" Thick Brick Exterior Wall	3.93	
<i>For Cleaning and Storage For Reuse, Add</i>	2.95	
02 41 19 13-0034 SF Demolish 6" Thick Brick Exterior Wall	4.43	
<i>For Cleaning and Storage For Reuse, Add</i>	3.32	
02 41 19 13-0035 SF Demolish 8" Thick Brick Exterior Wall	5.36	
<i>For Cleaning and Storage For Reuse, Add</i>	4.02	
02 41 19 13-0036 SF Demolish 10" Thick Brick Exterior Wall	5.86	
<i>For Cleaning and Storage For Reuse, Add</i>	4.40	
02 41 19 13-0037 SF Demolish 12" Thick Brick Exterior Wall	6.43	
<i>For Cleaning and Storage For Reuse, Add</i>	4.82	
02 41 19 13-0038 SF Demolish 16" Thick Brick Exterior Wall	8.05	
<i>For Cleaning and Storage For Reuse, Add</i>	6.04	
02 41 19 13-0039 CF Exterior Brick, Concrete Block Or Composite Removal	11.43	
<i>For Cleaning and Storage For Reuse, Add</i>	8.57	
<i>For Reinforcing, Add</i>	1.71	
02 41 19 13-0040 Exterior Concrete Wall Removal <small>(02 41 19 13)</small>		
02 41 19 13-0041 SF Demolish 4" Thick Reinforced Concrete Exterior Wall	4.93	
02 41 19 13-0042 SF Demolish 6" Thick Reinforced Concrete Exterior Wall	8.95	
02 41 19 13-0043 SF Demolish 8" Thick Reinforced Concrete Exterior Wall	11.23	
02 41 19 13-0044 SF Demolish 10" Thick Reinforced Concrete Exterior Wall	13.26	
02 41 19 13-0045 SF Demolish 12" Thick Reinforced Concrete Exterior Wall	15.66	
02 41 19 13-0046 Saw Cutting <small>(02 41 19 13)</small>		
<small>Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.</small>		
02 41 19 13-0047 LF Saw Cut Bituminous Paving Up To 4" Depth	1.79	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.66	
<i>For >250, Deduct</i>	-0.16	
02 41 19 13-0048 LF Saw Cut Brick Masonry Up To 4" Depth	6.17	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.41	
<i>For >250, Deduct</i>	-0.60	
02 41 19 13-0049 LF Saw Cut Concrete Block Up To 4" Depth	5.61	
<i>For Each Additional Pass (Depth To 3"), Add</i>	2.18	
<i>For >250, Deduct</i>	-0.54	
02 41 19 13-0050 LF Saw Cut Concrete Slab Or Paving Up To 4" Depth	2.10	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.77	
<i>For >250, Deduct</i>	-0.19	
02 41 19 13-0051 LF Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth	2.72	
<i>For Each Additional Pass (Depth To 3"), Add</i>	1.00	
<i>For >250, Deduct</i>	-0.24	
02 41 19 13-0052 LF Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth	4.31	
<i>For Each Additional Pass (Depth To 3"), Add</i>	1.63	
<i>For >250, Deduct</i>	-0.40	
02 41 19 13-0053 LF Saw Cut Plain Concrete Walls Up To 4" Depth	7.85	
<i>For Each Additional Pass (Depth To 3"), Add</i>	3.07	
<i>For >250, Deduct</i>	-0.76	
02 41 19 13-0054 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	10.53	
<i>For Each Additional Pass (Depth To 3"), Add</i>	4.12	
<i>For >250, Deduct</i>	-1.02	
02 41 19 13-0055 LF Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth	1.93	
<i>For Each Additional Pass (Depth To 3"), Add</i>	0.71	
<i>For >250, Deduct</i>	-0.17	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0056	LF		Saw Cut Igneous Stone Pavements Up To 4" Depth.....5.65 <i>For Each Additional Pass (Depth To 3"), Add</i> 2.19 <i>For >250, Deduct</i> -0.54		
02 41 19 13-0057	LF		Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....5.65 <i>For Each Additional Pass (Depth To 3"), Add</i> 2.19 <i>For >250, Deduct</i> -0.54		
02 41 19 13-0058	LF		Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....5.65 <i>For Each Additional Pass (Depth To 3"), Add</i> 2.19 <i>For >250, Deduct</i> -0.54		
02 41 19 13-0059	LF		Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....5.65 <i>For Each Additional Pass (Depth To 3"), Add</i> 2.19 <i>For >250, Deduct</i> -0.54		
02 41 19 13-0060	EA		Saw Cut Minimum Set-up Charge, One Per Project .....682.61 Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0061			Torch Cutting (02 41 19 13) Note: Includes grinding edge		
02 41 19 13-0062	LF		Up To 1/2", Torch Cut Steel Plate.....2.34		
02 41 19 13-0063	LF		>1/2" To 1" Thick, Torch Cut Steel Plate.....4.68		
02 41 19 13-0064	LF		>1" To 1-1/2" Thick, Torch Cut Steel Plate.....7.03		
02 41 19 13-0065	LF		>1-1/2" To 2" Thick, Torch Cut Steel Plate.....9.37		
02 41 19 13-0066	LF		>2" To 2-1/2" Thick, Torch Cut Steel Plate.....11.71		
02 41 19 13-0067	LF		>2-1/2" To 3" Thick, Torch Cut Steel Plate.....14.05		
02 41 19 13-0068	EA		Torch Cutting Minimum Charge .....698.44 Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0069			Drilling (02 41 19 13) Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0070			Concrete Core Drilling (02 41 19 13-0069)		
02 41 19 13-0071			Up To 4" Thick Concrete Core Drilling (02 41 19 13-0070)		
02 41 19 13-0072	EA		Drill 1" Diameter Core In Up To 4" Concrete .....32.35 <i>For Horizontal Cores, Add</i> 5.71 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 11.42		
02 41 19 13-0073	EA		Drill 1-1/2" Diameter Core In Up To 4" Concrete.....35.51 <i>For Horizontal Cores, Add</i> 6.34 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 12.69		
02 41 19 13-0074	EA		Drill 2" Diameter Core In Up To 4" Concrete .....39.04 <i>For Horizontal Cores, Add</i> 7.05 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 14.10		
02 41 19 13-0075	EA		Drill 3" Diameter Core In Up To 4" Concrete .....55.43 <i>For Horizontal Cores, Add</i> 10.07 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 20.14		
02 41 19 13-0076	EA		Drill 4" Diameter Core In Up To 4" Concrete .....74.32 <i>For Horizontal Cores, Add</i> 13.49 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 26.99		
02 41 19 13-0077	EA		Drill 6" Diameter Core In Up To 4" Concrete .....84.16 <i>For Horizontal Cores, Add</i> 15.11 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 30.21		
02 41 19 13-0078	EA		Drill 8" Diameter Core In Up To 4" Concrete .....132.67 <i>For Horizontal Cores, Add</i> 24.17 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 48.34		
02 41 19 13-0079	EA		Drill 10" Diameter Core In Up To 4" Concrete .....167.19 <i>For Horizontal Cores, Add</i> 30.21 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 60.42		
02 41 19 13-0080	EA		Drill 12" Diameter Core In Up To 4" Concrete .....195.57 <i>For Horizontal Cores, Add</i> 35.25 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 70.50		
02 41 19 13-0081	EA		Drill 14" Diameter Core In Up To 4" Concrete .....224.40 <i>For Horizontal Cores, Add</i> 40.28 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 80.56		
02 41 19 13-0082	EA		Drill 18" Diameter Core In Up To 4" Concrete .....256.11 <i>For Horizontal Cores, Add</i> 45.31 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 90.62		
02 41 19 13-0083			>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0070)		
02 41 19 13-0084	EA		Drill 1" Diameter Core In >4" To 6" Concrete .....46.58 <i>For Horizontal Cores, Add</i> 8.16 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 16.31		
02 41 19 13-0085	EA		Drill 1-1/2" Diameter Core In >4" To 6" Concrete .....51.10 <i>For Horizontal Cores, Add</i> 9.06 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 18.12		
02 41 19 13-0086	EA		Drill 2" Diameter Core In >4" To 6" Concrete .....56.14 <i>For Horizontal Cores, Add</i> 10.07 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 20.14		
02 41 19 13-0087	EA		Drill 3" Diameter Core In >4" To 6" Concrete .....68.38 <i>For Horizontal Cores, Add</i> 12.08 <i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i> 24.17		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0088 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	86.06	
For Horizontal Cores, Add	15.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.21	
02 41 19 13-0089 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	113.80	
For Horizontal Cores, Add	20.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.28	
02 41 19 13-0090 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	168.94	
For Horizontal Cores, Add	30.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	60.42	
02 41 19 13-0091 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	200.37	
For Horizontal Cores, Add	35.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.50	
02 41 19 13-0092 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	230.31	
For Horizontal Cores, Add	40.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.56	
02 41 19 13-0093 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	261.70	
For Horizontal Cores, Add	45.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.62	
02 41 19 13-0094 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	297.28	
For Horizontal Cores, Add	50.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.70	
02 41 19 13-0095 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0070)		
02 41 19 13-0096 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	52.75	
For Horizontal Cores, Add	8.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.95	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	57.72	
For Horizontal Cores, Add	9.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.94	
02 41 19 13-0098 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	63.27	
For Horizontal Cores, Add	11.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.16	
02 41 19 13-0099 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	76.29	
For Horizontal Cores, Add	13.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.18	
02 41 19 13-0100 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	99.79	
For Horizontal Cores, Add	17.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.24	
02 41 19 13-0101 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	138.42	
For Horizontal Cores, Add	24.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.34	
02 41 19 13-0102 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	225.36	
For Horizontal Cores, Add	40.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.56	
02 41 19 13-0103 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	258.66	
For Horizontal Cores, Add	45.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.62	
02 41 19 13-0104 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	290.25	
For Horizontal Cores, Add	50.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.70	
02 41 19 13-0105 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	324.17	
For Horizontal Cores, Add	55.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.75	
02 41 19 13-0106 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	363.62	
For Horizontal Cores, Add	60.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	120.84	
02 41 19 13-0107 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0070)		
02 41 19 13-0108 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	62.97	
For Horizontal Cores, Add	10.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.21	
02 41 19 13-0109 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	68.86	
For Horizontal Cores, Add	11.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.56	
02 41 19 13-0110 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	75.41	
For Horizontal Cores, Add	13.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.18	
02 41 19 13-0111 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	89.24	
For Horizontal Cores, Add	15.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.21	
02 41 19 13-0112 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	103.47	
For Horizontal Cores, Add	17.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.24	
02 41 19 13-0113 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	142.90	
For Horizontal Cores, Add	24.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.34	
02 41 19 13-0114 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	231.43	
For Horizontal Cores, Add	40.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.56	
02 41 19 13-0115 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	266.65	
For Horizontal Cores, Add	45.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.62	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0116	EA		Drill 12" Diameter Core In >8" To 10" Concrete	299.79	
			<i>For Horizontal Cores, Add</i>	50.34	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.68	
02 41 19 13-0117	EA		Drill 14" Diameter Core In >8" To 10" Concrete	336.31	
			<i>For Horizontal Cores, Add</i>	55.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.75	
02 41 19 13-0118	EA		Drill 18" Diameter Core In >8" To 10" Concrete	379.53	
			<i>For Horizontal Cores, Add</i>	60.41	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	120.82	
02 41 19 13-0119			>10" To 12" Thick Concrete Core Drilling (02 41 19 13-0070)		
02 41 19 13-0120	EA		Drill 1" Diameter Core In >10" To 12" Concrete	69.13	
			<i>For Horizontal Cores, Add</i>	11.42	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.84	
02 41 19 13-0121	EA		Drill 1-1/2" Diameter Core In >10" To 12" Concrete	75.48	
			<i>For Horizontal Cores, Add</i>	12.69	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.38	
02 41 19 13-0122	EA		Drill 2" Diameter Core In >10" To 12" Concrete	82.52	
			<i>For Horizontal Cores, Add</i>	14.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.20	
02 41 19 13-0123	EA		Drill 3" Diameter Core In >10" To 12" Concrete	92.11	
			<i>For Horizontal Cores, Add</i>	15.11	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.21	
02 41 19 13-0124	EA		Drill 4" Diameter Core In >10" To 12" Concrete	122.25	
			<i>For Horizontal Cores, Add</i>	20.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.28	
02 41 19 13-0125	EA		Drill 6" Diameter Core In >10" To 12" Concrete	157.44	
			<i>For Horizontal Cores, Add</i>	26.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.37	
02 41 19 13-0126	EA		Drill 8" Diameter Core In >10" To 12" Concrete	247.58	
			<i>For Horizontal Cores, Add</i>	42.29	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	84.59	
02 41 19 13-0127	EA		Drill 10" Diameter Core In >10" To 12" Concrete	274.64	
			<i>For Horizontal Cores, Add</i>	45.31	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.62	
02 41 19 13-0128	EA		Drill 12" Diameter Core In >10" To 12" Concrete	319.52	
			<i>For Horizontal Cores, Add</i>	52.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	104.74	
02 41 19 13-0129			>12" Thick Concrete Core Drilling (02 41 19 13-0070)		
02 41 19 13-0130	IN		Drill 1" Diameter Core In >12" Concrete	7.98	
			<i>For Horizontal Cores, Add</i>	1.40	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.79	
02 41 19 13-0131	IN		Drill 1-1/2" Diameter Core In >12" Concrete	8.75	
			<i>For Horizontal Cores, Add</i>	1.55	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.10	
02 41 19 13-0132	IN		Drill 2" Diameter Core In >12" Concrete	9.62	
			<i>For Horizontal Cores, Add</i>	1.72	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.45	
02 41 19 13-0133	IN		Drill 3" Diameter Core In >12" Concrete	10.82	
			<i>For Horizontal Cores, Add</i>	1.89	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.78	
02 41 19 13-0134	IN		Drill 4" Diameter Core In >12" Concrete	14.38	
			<i>For Horizontal Cores, Add</i>	2.52	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.03	
02 41 19 13-0135	IN		Drill 6" Diameter Core In >12" Concrete	18.58	
			<i>For Horizontal Cores, Add</i>	3.27	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.55	
02 41 19 13-0136	IN		Drill 8" Diameter Core In >12" Concrete	29.47	
			<i>For Horizontal Cores, Add</i>	5.29	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.58	
02 41 19 13-0137	IN		Drill 10" Diameter Core In >12" Concrete	32.45	
			<i>For Horizontal Cores, Add</i>	5.69	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.38	
02 41 19 13-0138	IN		Drill 12" Diameter Core In >12" Concrete	37.56	
			<i>For Horizontal Cores, Add</i>	6.55	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.10	
02 41 19 13-0139			Brick/Concrete Block Core Drilling (02 41 19 13-0069)		
02 41 19 13-0140			Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0139)		
02 41 19 13-0141	EA		Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	26.63	
			<i>For Horizontal Cores, Add</i>	4.57	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.14	
02 41 19 13-0142	EA		Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	29.16	
			<i>For Horizontal Cores, Add</i>	5.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.15	
02 41 19 13-0143	EA		Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	31.98	
			<i>For Horizontal Cores, Add</i>	5.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0144 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	45.36	
<i>For Horizontal Cores, Add</i>	8.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.11	
02 41 19 13-0145 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	60.82	
<i>For Horizontal Cores, Add</i>	10.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.59	
02 41 19 13-0146 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	69.05	
<i>For Horizontal Cores, Add</i>	12.08	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.17	
02 41 19 13-0147 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	108.50	
<i>For Horizontal Cores, Add</i>	19.34	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.67	
02 41 19 13-0148 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	136.98	
<i>For Horizontal Cores, Add</i>	24.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.34	
02 41 19 13-0149 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	160.32	
<i>For Horizontal Cores, Add</i>	28.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.40	
02 41 19 13-0150 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	184.12	
<i>For Horizontal Cores, Add</i>	32.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.44	
02 41 19 13-0151 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	210.81	
<i>For Horizontal Cores, Add</i>	36.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	72.50	
02 41 19 13-0152 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0139)		
02 41 19 13-0153 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	38.42	
<i>For Horizontal Cores, Add</i>	6.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.05	
02 41 19 13-0154 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	42.05	
<i>For Horizontal Cores, Add</i>	7.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.50	
02 41 19 13-0155 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	46.07	
<i>For Horizontal Cores, Add</i>	8.05	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.11	
02 41 19 13-0156 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	56.29	
<i>For Horizontal Cores, Add</i>	9.67	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.33	
02 41 19 13-0157 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	70.95	
<i>For Horizontal Cores, Add</i>	12.08	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.17	
02 41 19 13-0158 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	93.66	
<i>For Horizontal Cores, Add</i>	16.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.22	
02 41 19 13-0159 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	138.73	
<i>For Horizontal Cores, Add</i>	24.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.34	
02 41 19 13-0160 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	165.12	
<i>For Horizontal Cores, Add</i>	28.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.40	
02 41 19 13-0161 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	190.03	
<i>For Horizontal Cores, Add</i>	32.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.44	
02 41 19 13-0162 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	216.40	
<i>For Horizontal Cores, Add</i>	36.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	72.50	
02 41 19 13-0163 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	246.93	
<i>For Horizontal Cores, Add</i>	40.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.56	
02 41 19 13-0164 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0139)		
02 41 19 13-0165 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	43.77	
<i>For Horizontal Cores, Add</i>	7.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.36	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	47.76	
<i>For Horizontal Cores, Add</i>	7.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.95	
02 41 19 13-0167 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	52.19	
<i>For Horizontal Cores, Add</i>	8.86	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.72	
02 41 19 13-0168 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	63.20	
<i>For Horizontal Cores, Add</i>	10.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.95	
02 41 19 13-0169 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	82.67	
<i>For Horizontal Cores, Add</i>	13.69	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.39	
02 41 19 13-0170 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	114.25	
<i>For Horizontal Cores, Add</i>	19.34	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.67	
02 41 19 13-0171 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	185.08	
<i>For Horizontal Cores, Add</i>	32.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.44	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0172 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	213.36	
For Horizontal Cores, Add	36.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.50	
02 41 19 13-0173 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	239.90	
For Horizontal Cores, Add	40.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.56	
02 41 19 13-0174 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	268.79	
For Horizontal Cores, Add	44.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.60	
02 41 19 13-0175 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	303.20	
For Horizontal Cores, Add	48.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.68	
02 41 19 13-0176 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0139)		
02 41 19 13-0177 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	52.37	
For Horizontal Cores, Add	8.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.97	
02 41 19 13-0178 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	57.08	
For Horizontal Cores, Add	9.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.85	
02 41 19 13-0179 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	62.32	
For Horizontal Cores, Add	10.47	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.95	
02 41 19 13-0180 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	74.13	
For Horizontal Cores, Add	12.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.17	
02 41 19 13-0181 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	86.35	
For Horizontal Cores, Add	13.69	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.39	
02 41 19 13-0182 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	118.73	
For Horizontal Cores, Add	19.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.67	
02 41 19 13-0183 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	191.15	
For Horizontal Cores, Add	32.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.44	
02 41 19 13-0184 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	221.35	
For Horizontal Cores, Add	36.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.50	
02 41 19 13-0185 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	249.45	
For Horizontal Cores, Add	40.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.54	
02 41 19 13-0186 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	280.93	
For Horizontal Cores, Add	44.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.60	
02 41 19 13-0187 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	319.12	
For Horizontal Cores, Add	48.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.65	
02 41 19 13-0188 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0139)		
02 41 19 13-0189 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	57.71	
For Horizontal Cores, Add	9.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.27	
02 41 19 13-0190 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	62.79	
For Horizontal Cores, Add	10.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.30	
02 41 19 13-0191 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	68.43	
For Horizontal Cores, Add	11.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.56	
02 41 19 13-0192 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	77.00	
For Horizontal Cores, Add	12.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.17	
02 41 19 13-0193 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	102.11	
For Horizontal Cores, Add	16.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.22	
02 41 19 13-0194 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	131.25	
For Horizontal Cores, Add	20.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.89	
02 41 19 13-0195 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	205.28	
For Horizontal Cores, Add	33.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.67	
02 41 19 13-0196 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	229.34	
For Horizontal Cores, Add	36.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.50	
02 41 19 13-0197 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	267.16	
For Horizontal Cores, Add	41.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.79	
02 41 19 13-0198 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0139)		
02 41 19 13-0199 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	6.59	
For Horizontal Cores, Add	1.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0200 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block.....	7.21	
<i>For Horizontal Cores, Add</i>	1.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.48	
02 41 19 13-0201 IN Drill 2" Diameter Core In >12" Brick/Concrete Block.....	7.89	
<i>For Horizontal Cores, Add</i>	1.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.76	
02 41 19 13-0202 IN Drill 3" Diameter Core In >12" Brick/Concrete Block.....	8.93	
<i>For Horizontal Cores, Add</i>	1.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.02	
02 41 19 13-0203 IN Drill 4" Diameter Core In >12" Brick/Concrete Block.....	11.87	
<i>For Horizontal Cores, Add</i>	2.01	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.03	
02 41 19 13-0204 IN Drill 6" Diameter Core In >12" Brick/Concrete Block.....	15.31	
<i>For Horizontal Cores, Add</i>	2.62	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.24	
02 41 19 13-0205 IN Drill 8" Diameter Core In >12" Brick/Concrete Block.....	24.18	
<i>For Horizontal Cores, Add</i>	4.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.47	
02 41 19 13-0206 IN Drill 10" Diameter Core In >12" Brick/Concrete Block.....	26.76	
<i>For Horizontal Cores, Add</i>	4.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.10	
02 41 19 13-0207 IN Drill 12" Diameter Core In >12" Brick/Concrete Block.....	31.01	
<i>For Horizontal Cores, Add</i>	5.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.48	
02 41 19 13-0208 Asphalt Core Drilling (02 41 19 13-0069)		
02 41 19 13-0209 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0208)		
02 41 19 13-0210 EA Drill 1" Diameter Core In Up To 2" Asphalt.....	14.51	
02 41 19 13-0211 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	18.20	
02 41 19 13-0212 EA Drill 2" Diameter Core In Up To 2" Asphalt.....	22.74	
02 41 19 13-0213 EA Drill 3" Diameter Core In Up To 2" Asphalt.....	28.32	
02 41 19 13-0214 EA Drill 4" Diameter Core In Up To 2" Asphalt.....	35.69	
02 41 19 13-0215 EA Drill 6" Diameter Core In Up To 2" Asphalt.....	44.86	
02 41 19 13-0216 EA Drill 8" Diameter Core In Up To 2" Asphalt.....	56.16	
02 41 19 13-0217 EA Drill 10" Diameter Core In Up To 2" Asphalt.....	69.64	
02 41 19 13-0218 EA Drill 12" Diameter Core In Up To 2" Asphalt.....	86.84	
02 41 19 13-0219 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0208)		
02 41 19 13-0220 EA Drill 1" Diameter Core In >2" To 3" Asphalt.....	18.12	
02 41 19 13-0221 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt.....	23.53	
02 41 19 13-0222 EA Drill 2" Diameter Core In >2" To 3" Asphalt.....	28.94	
02 41 19 13-0223 EA Drill 3" Diameter Core In >2" To 3" Asphalt.....	36.31	
02 41 19 13-0224 EA Drill 4" Diameter Core In >2" To 3" Asphalt.....	45.49	
02 41 19 13-0225 EA Drill 6" Diameter Core In >2" To 3" Asphalt.....	57.34	
02 41 19 13-0226 EA Drill 8" Diameter Core In >2" To 3" Asphalt.....	71.37	
02 41 19 13-0227 EA Drill 10" Diameter Core In >2" To 3" Asphalt.....	89.27	
02 41 19 13-0228 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	110.93	
02 41 19 13-0229 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0208)		
02 41 19 13-0230 EA Drill 1" Diameter Core In >3" To 4" Asphalt.....	23.61	
02 41 19 13-0231 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	30.04	
02 41 19 13-0232 EA Drill 2" Diameter Core In >3" To 4" Asphalt.....	37.25	
02 41 19 13-0233 EA Drill 3" Diameter Core In >3" To 4" Asphalt.....	46.51	
02 41 19 13-0234 EA Drill 4" Diameter Core In >3" To 4" Asphalt.....	58.60	
02 41 19 13-0235 EA Drill 6" Diameter Core In >3" To 4" Asphalt.....	73.25	
02 41 19 13-0236 EA Drill 8" Diameter Core In >3" To 4" Asphalt.....	92.10	
02 41 19 13-0237 EA Drill 10" Diameter Core In >3" To 4" Asphalt.....	114.57	
02 41 19 13-0238 EA Drill 12 Diameter Core In >3" To 4" Asphalt.....	142.65	
02 41 19 13-0239 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0208)		
02 41 19 13-0240 EA Drill 1" Diameter Core In >4" To 6" Asphalt.....	31.12	
02 41 19 13-0241 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	38.60	
02 41 19 13-0242 EA Drill 2" Diameter Core In >4" To 6" Asphalt.....	47.70	
02 41 19 13-0243 EA Drill 3" Diameter Core In >4" To 6" Asphalt.....	60.87	
02 41 19 13-0244 EA Drill 4" Diameter Core In >4" To 6" Asphalt.....	75.94	
02 41 19 13-0245 EA Drill 6" Diameter Core In >4" To 6" Asphalt.....	94.45	
02 41 19 13-0246 EA Drill 8" Diameter Core In >4" To 6" Asphalt.....	119.26	
02 41 19 13-0247 EA Drill 10" Diameter Core In >4" To 6" Asphalt.....	148.19	
02 41 19 13-0248 EA Drill 12" Diameter Core In >4" To 6" Asphalt.....	184.77	
02 41 19 13-0249 Manhole Core Drilling (02 41 19 13-0069)		
02 41 19 13-0250 EA Drill 4" Diameter Core In 6" Brick Manhole.....	158.16	
02 41 19 13-0251 EA Drill 5" Diameter Core In 6" Brick Manhole.....	180.63	
02 41 19 13-0252 EA Drill 6" Diameter Core In 6" Brick Manhole.....	210.18	
02 41 19 13-0253 EA Drill 8" Diameter Core In 6" Brick Manhole.....	314.09	
02 41 19 13-0254 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	210.40	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0255	EA	Drill 3" Diameter Core In 8" Concrete Manhole.....	226.29	
02 41 19 13-0256	EA	Drill 4" Diameter Core In 8" Concrete Manhole.....	251.20	
02 41 19 13-0257	EA	Drill 5" Diameter Core In 8" Concrete Manhole.....	270.14	
02 41 19 13-0258	EA	Drill 6" Diameter Core In 8" Concrete Manhole.....	319.21	
02 41 19 13-0259	EA	Drill 8" Diameter Core In 8" Concrete Manhole.....	454.88	
02 41 19 13-0260	EA	Drill 2" Diameter Core In Fiberglass Manhole.....	20.30	
02 41 19 13-0261	EA	Drill 3" Diameter Core In Fiberglass Manhole.....	23.49	
02 41 19 13-0262	EA	Drill 4" Diameter Core In Fiberglass Manhole.....	25.51	
02 41 19 13-0263	EA	Drill 5" Diameter Core In Fiberglass Manhole.....	27.83	
02 41 19 13-0264	EA	Drill 6" Diameter Core In Fiberglass Manhole.....	30.62	
02 41 19 13-0265	EA	Drill 8" Diameter Core In Fiberglass Manhole.....	34.06	

02 41 19 13-0266 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0069)

Note: Includes layout.

02 41 19 13-0267	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.86	
02 41 19 13-0268	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.95	
02 41 19 13-0269	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.08	
02 41 19 13-0270	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.23	
02 41 19 13-0271	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.44	
02 41 19 13-0272	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.64	
02 41 19 13-0273	IN	1" Diameter Drilling In Concrete Per Inch Of Depth.....	2.79	
02 41 19 13-0274	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.07	
02 41 19 13-0275	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.48	

02 41 19 13-0276 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0069)

Note: Includes layout.

02 41 19 13-0277	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.56	
02 41 19 13-0278	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.63	
02 41 19 13-0279	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.75	
02 41 19 13-0280	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.87	
02 41 19 13-0281	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.04	
02 41 19 13-0282	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.22	
02 41 19 13-0283	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.34	
02 41 19 13-0284	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.58	
02 41 19 13-0285	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.92	

02 41 19 13-0286 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0069)

Note: Includes layout.

02 41 19 13-0287	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.76	
02 41 19 13-0288	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.80	
02 41 19 13-0289	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.85	
02 41 19 13-0290	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.91	
02 41 19 13-0291	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.00	
02 41 19 13-0292	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.08	
02 41 19 13-0293	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.13	
02 41 19 13-0294	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.26	
02 41 19 13-0295	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.43	

02 41 19 13-0296 Limestone Core Drilling (02 41 19 13-0069)
02 41 19 13-0297 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0296)

02 41 19 13-0298	EA	Drill 1" Diameter Core In 10" To 14" Limestone.....	48.05	
02 41 19 13-0299	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	58.18	
02 41 19 13-0300	EA	Drill 2" Diameter Core In 10" To 14" Limestone.....	63.97	
02 41 19 13-0301	EA	Drill 3" Diameter Core In 10" To 14" Limestone.....	75.60	
02 41 19 13-0302	EA	Drill 4" Diameter Core In 10" To 14" Limestone.....	87.54	
02 41 19 13-0303	EA	Drill 6" Diameter Core In 10" To 14" Limestone.....	121.06	
02 41 19 13-0304	EA	Drill 8" Diameter Core In 10" To 14" Limestone.....	196.39	

02 41 19 13-0305 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0296)

02 41 19 13-0306	EA	Drill 1" Diameter Core In 15" To 18" Limestone.....	53.38	
02 41 19 13-0307	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	63.82	
02 41 19 13-0308	EA	Drill 2" Diameter Core In 15" To 18" Limestone.....	69.95	
02 41 19 13-0309	EA	Drill 3" Diameter Core In 15" To 18" Limestone.....	77.90	
02 41 19 13-0310	EA	Drill 4" Diameter Core In 15" To 18" Limestone.....	103.43	
02 41 19 13-0311	EA	Drill 6" Diameter Core In 15" To 18" Limestone.....	133.25	
02 41 19 13-0312	EA	Drill 8" Diameter Core In 15" To 18" Limestone.....	209.94	

02 41 19 13-0313 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0296)

02 41 19 13-0314	EA	Drill 1" Diameter Core In 19" To 24" Limestone.....	58.59	
02 41 19 13-0315	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	69.30	
02 41 19 13-0316	EA	Drill 2" Diameter Core In 19" To 24" Limestone.....	75.70	
02 41 19 13-0317	EA	Drill 3" Diameter Core In 19" To 24" Limestone.....	88.50	
02 41 19 13-0318	EA	Drill 4" Diameter Core In 19" To 24" Limestone.....	123.25	
02 41 19 13-0319	EA	Drill 6" Diameter Core In 19" To 24" Limestone.....	153.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0320 EA Drill 8" Diameter Core In 19" To 24" Limestone	227.33	
02 41 19 13-0321 Minimum Charge For Core Drilling (02 41 19 13-0069)		
02 41 19 13-0322 EA Core Drill Minimum Charge.....	552.81	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
02 41 19 13-0323 Cutouts (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0324 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0323)		
02 41 19 13-0325 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	39.25	
02 41 19 13-0326 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	41.62	
02 41 19 13-0327 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	44.00	
02 41 19 13-0328 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	46.37	
02 41 19 13-0329 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	47.56	
02 41 19 13-0330 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0323)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0331 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	47.83	
02 41 19 13-0332 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	50.72	
02 41 19 13-0333 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	53.63	
02 41 19 13-0334 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	56.52	
02 41 19 13-0335 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	57.98	
02 41 19 13-0336 Reinforced Concrete Wall Cutouts (02 41 19 13-0323)		
02 41 19 13-0337 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	49.05	
02 41 19 13-0338 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	52.03	
02 41 19 13-0339 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	55.00	
02 41 19 13-0340 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	57.98	
02 41 19 13-0341 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	59.46	
02 41 19 13-0342 Brick Wall Cutouts (02 41 19 13-0323)		
Note: Excludes toothing.		
02 41 19 13-0343 SF 4" Thick Brick Wall Cutouts, <24 SF	14.87	
02 41 19 13-0344 SF 6" Thick Brick Wall Cutouts, <24 SF	24.53	
02 41 19 13-0345 SF 8" Thick Brick Wall Cutouts, <24 SF	34.15	
02 41 19 13-0346 SF 10" Thick Brick Wall Cutouts, <24 SF	41.62	
02 41 19 13-0347 SF 12" Thick Brick Wall Cutouts, <24 SF	49.80	
02 41 19 13-0348 SF 16" Thick Brick Wall Cutouts, <24 SF	58.71	
02 41 19 13-0349 Concrete Block Wall Cutouts (02 41 19 13-0323)		
Note: Excludes toothing.		
02 41 19 13-0350 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	24.59	
02 41 19 13-0351 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	26.04	
02 41 19 13-0352 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	27.50	
02 41 19 13-0353 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	28.98	
02 41 19 13-0354 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	29.73	
02 41 19 13-0355 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	31.22	
02 41 19 13-0356 Limestone Cutouts (02 41 19 13-0323)		
02 41 19 13-0357 SF 2" Thick Limestone Cutouts, <24 SF.....	41.62	
02 41 19 13-0358 SF 4" Thick Limestone Cutouts, <24 SF.....	50.54	
02 41 19 13-0359 SF 6" Thick Limestone Cutouts, <24 SF.....	53.51	
02 41 19 13-0360 SF 8" Thick Limestone Cutouts, <24 SF.....	56.49	
02 41 19 13-0361 SF 10" Thick Limestone Cutouts, <24 SF.....	59.46	
02 41 19 13-0362 SF 12" Thick Limestone Cutouts, <24 SF.....	62.43	
02 41 19 13-0363 Toothing Masonry Cutouts (02 41 19 13-0323)		
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0364 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts.....	14.87	
02 41 19 13-0365 VLF Brick, Hard Mortar, Toothing Masonry Cutouts.....	20.07	
02 41 19 13-0366 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	8.92	
02 41 19 13-0367 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts.....	11.89	
02 41 19 13-0368 Minimum Charge For Cutouts (02 41 19 13-0323)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0369 EA Cutouts Minimum Charge	297.30	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 43 Structure Moving (02 40)

02 43 13 Structure Relocation (02 43)

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

02 43 13 00-0001	Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete <small>(02 43 13)</small>	
	Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.	
02 43 13 00-0002	SF Up To 800 SF, Move Relocatable Metal Frame Building	27.69
02 43 13 00-0003	SF >800 To 920 SF, Move Relocatable Metal Frame Building	26.17
02 43 13 00-0004	SF >920 SF, Move Relocatable Metal Frame Building	24.50
02 43 13 00-0005	SF Up To 800 SF, Move Relocatable Wood Frame Building	22.21
02 43 13 00-0006	SF >800 To 920 SF, Move Relocatable Wood Frame Building	20.77
02 43 13 00-0007	SF >920 SF, Move Relocatable Wood Frame Building	18.37
02 43 13 00-0008	SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.91
02 43 13 00-0009	SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.50
02 43 13 00-0010	SF >920 SF, Move Relocatable Wood/Metal Frame Building	20.77

02 60 Contaminated Site Material Removal (02)

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

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

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

02 61 13 00-0001	Excavation Of Non-Petroleum Contaminated Soil <small>(02 61 13)</small>	
	See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.	
02 61 13 00-0002	Excavate Non-Petroleum Contaminated Soil <small>(02 61 13 00-0001)</small>	
02 61 13 00-0003	CY Excavate Non Petroleum Contaminated Soil	6.44
	Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	
02 61 13 00-0004	Excavate Petroleum Contaminated Soil <small>(02 61 13)</small>	
02 61 13 00-0005	CY Excavate Petroleum Contaminated Soil	9.65
	Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	
02 61 13 00-0006	CY Load Excavated Petroleum Contaminated Soil	5.43
02 61 13 00-0007	CY Disposal Fees Of Petroleum Contaminated Soil	61.20
02 61 13 00-0008	Accessories For Contaminated Soil Stockpile <small>(02 61 13)</small>	
	See CSI section 31 25 14 23-0001 for sand bags.	
02 61 13 00-0009	SF 30 Mil Base Liner	0.93
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	
02 61 13 00-0010	SF 10 Mil Base Liner	0.52
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0050 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

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

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

02 65 00 00-0003	EA Collection Of Sludge Sample	25.25
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample	25.25
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample	25.25

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

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

02 65 00 00-0007	EA Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020	101.34
	Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008	EA Lab Test - Flashpoint	39.41
	Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009	EA Lab Test - TOX 9020	94.81
	Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010	EA Lab Test - TPH 8015 Modified	101.34
	Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0011 EA Lab Test - TRPH 418.1 .....78.82 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	78.82	
02 65 00 00-0012 EA Lab Test - VOC .....213.94 Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	213.94	
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic .....394.10 Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	394.10	
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1 .....47.40 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	47.40	
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals .....84.45 Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	84.45	
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic .....112.60 Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	112.60	
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA .....126.11 Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	126.11	
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060 .....16.89 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	16.89	
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740 .....16.89 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	16.89	
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421 .....16.89 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	16.89	
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470 .....31.53 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	31.53	
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100 .....180.16 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	180.16	
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78 .....65.18 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	65.18	
02 65 00 00-0024 EA Lab Test - pH .....13.51	13.51	
02 65 00 00-0025 EA Lab Test - PCBs In Wastewater .....168.90	168.90	
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE) .....101.34	101.34	
02 65 00 00-0027 Tests, Surveys And Maintenance (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer .....1,075.17 Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,075.17	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems .....161.68 Note: By Certified Technician. Write report of findings for action if needed	161.68	
02 65 00 00-0030 EA Check And Report On Monitor Probes .....38.60 Note: By Certified Technician	38.60	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report .....286.88 Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	286.88	
02 65 00 00-0032 EA Replace Anode On Impressed System .....100.21	100.21	
02 65 00 00-0033 EA Replace Power Converter On Impressed System .....146.57	146.57	
02 65 00 00-0034 EA Replace Monitor Probes .....224.24	224.24	
02 65 00 00-0035 EA Ultrasonic Test .....67.38	67.38	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer .....125.25	125.25	
02 65 00 00-0038 HR Certified Geologist/Environmentalist .....125.25	125.25	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA .....105.36 Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	105.36	
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040) Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank .....0.51 Note: Per gallon of material transferred.	0.51	
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044 GAL Remove and Dispose of Hazardous Liquids From Tank .....1.22	1.22	
02 65 00 00-0045 GAL Remove And Dispose Of Non Hazardous Liquid From Tank .....0.84	0.84	
02 65 00 00-0046 Sludge (02 65 00 00-0040) Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Remove And Dispose Of Hazardous Solids Or Sludge From Tank .....4.99	4.99	
02 65 00 00-0048 GAL Remove And Dispose Of Non Hazardous Solids Or Sludge From Tank .....1.15	1.15	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 65 00 00-0049	Purge Vapors, Open And Clean Tank <small>(02 65)</small>	
02 65 00 00-0050	Purge Vapors <small>(02 65 00 00-0049)</small>	
02 65 00 00-0051	LB Purge Tank Using Dry Ice .....2.57 Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	
02 65 00 00-0052	High Pressure Water Wash And Rinse Of Tank Interior <small>(02 65 00 00-0049)</small>	
02 65 00 00-0053	EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....213.08	
02 65 00 00-0054	EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....273.97	
02 65 00 00-0055	EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....347.02	
02 65 00 00-0056	EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....450.52	
02 65 00 00-0057	EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....840.16	
02 65 00 00-0058	EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....1,010.63	
02 65 00 00-0059	EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....1,126.31	
02 65 00 00-0060	EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....1,351.56	
02 65 00 00-0061	EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....1,680.32	
02 65 00 00-0062	EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....2,021.25	
02 65 00 00-0063	EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....2,526.57	
02 65 00 00-0064	EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....3,158.51	
02 65 00 00-0065	EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior .....3,947.53	
02 65 00 00-0066	Scrape Clean Tank Exterior <small>(02 65 00 00-0049)</small>	
02 65 00 00-0067	EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior .....183.30	
02 65 00 00-0068	EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior .....244.08	
02 65 00 00-0069	EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior .....319.84	
02 65 00 00-0070	EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior .....442.91	
02 65 00 00-0071	EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior .....980.83	
02 65 00 00-0072	EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior .....1,241.94	
02 65 00 00-0073	EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior .....1,453.30	
02 65 00 00-0074	EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior .....1,827.00	
02 65 00 00-0075	EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior .....2,374.65	
02 65 00 00-0076	EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior .....2,980.66	
02 65 00 00-0077	EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior .....3,881.07	
02 65 00 00-0078	EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior .....4,657.27	
02 65 00 00-0079	EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior .....5,821.60	
02 65 00 00-0080	Tank And Piping Removal <small>(02 65)</small>	
	Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.	
02 65 00 00-0081	Removal And Disposal Of Piping <small>(02 65 00 00-0080)</small>	
	Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0082	LF Up To 4", Removal And Disposal Of Piping .....14.20	
02 65 00 00-0083	LF >4" To 8", Removal And Disposal Of Piping .....18.94	
02 65 00 00-0084	Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement <small>(02 65 00 00-0080)</small>	
	Note: Excludes excavation or backfill.	
02 65 00 00-0085	EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....500.88	
02 65 00 00-0086	EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....608.21	
02 65 00 00-0087	EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....715.55	
02 65 00 00-0088	EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....894.43	
02 65 00 00-0089	EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....1,252.19	
02 65 00 00-0090	EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....1,574.19	
02 65 00 00-0091	EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....1,788.85	
02 65 00 00-0092	EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....2,146.63	
02 65 00 00-0093	EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....2,862.16	
02 65 00 00-0094	EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....3,431.10	
02 65 00 00-0095	EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....4,020.54	
02 65 00 00-0096	EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....4,703.69	
02 65 00 00-0097	EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....5,879.61	
02 65 00 00-0098	Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary <small>(02 65 00 00-0080)</small>	
	Note: Includes 1 lengthwise at every 4' O.C. height wise.	
02 65 00 00-0099	EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....616.09	
02 65 00 00-0100	EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....1,148.95	
02 65 00 00-0101	EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....1,382.06	
02 65 00 00-0102	EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....1,540.25	
02 65 00 00-0103	EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....1,848.29	
02 65 00 00-0104	EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....2,297.88	
02 65 00 00-0105	EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....2,764.12	
02 65 00 00-0106	EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....3,455.15	
02 65 00 00-0107	EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....4,318.94	
02 65 00 00-0108	EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....5,398.67	



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

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer

Station (02 65 00 00-0080)
Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	139.25
		For Each Additional Mile >15 Miles, Add	3.48
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	175.89
		For Each Additional Mile >15 Miles, Add	4.40
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	263.84
		For Each Additional Mile >15 Miles, Add	6.60
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	800.73
		For Each Additional Mile >15 Miles, Add	7.70
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,413.16
		For Each Additional Mile >15 Miles, Add	13.56
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,457.14
		For Each Additional Mile >15 Miles, Add	14.66
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,530.43
		For Each Additional Mile >15 Miles, Add	16.49
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,226.78
		For Each Additional Mile >15 Miles, Add	21.99
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,044.42
		For Each Additional Mile >15 Miles, Add	32.98
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,568.90
		For Each Additional Mile >15 Miles, Add	36.65
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	4,420.70
		For Each Additional Mile >15 Miles, Add	43.97
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	6,218.38
		For Each Additional Mile >15 Miles, Add	52.77
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	7,520.83
		For Each Additional Mile >15 Miles, Add	60.68

02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)

02 65 00 00-0124	GAL	Remove Cement Lining	0.46
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.17
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.93

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

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

02 65 00 00-0128	EA	Prepare Tank Closure Report.....	2,687.92
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02 65 00 00-0129 Temporary Tanks (02 65)

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

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

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	468.56
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	468.56
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	937.13
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	702.85
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,639.97
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,171.41
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental.....	1,966.66
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	2,356.87
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,980.14

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

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental.....	1,015.22
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02 80 Facility Remediation (02)

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

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

02 81 00 00-0002	GAL	Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container	8.35
		Note: Includes handling of container and disposal at approved site.	
02 81 00 00-0003	CF	Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site	56.43
		Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	
02 81 00 00-0004	EA	RCRA (Direct Landfill) Drums	248.43
		Note: Excludes stabilization. See CSI section 02 81 00 00-0005 for Stabilization (>5 ppm).	
02 81 00 00-0005	EA	Stabilization (>5 ppm)	331.03
02 81 00 00-0006	TON	Bulk Hazardous Material Landfill Cost	209.57

02 82 Asbestos Remediation (02 80)

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

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

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001	Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)	
	Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 13 00-0002	HR Bulk Sampling Or Air Monitoring, Asbestos Testing.....	62.21
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	30.61
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	35.89
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	57.00
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....	98.16
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing.....	119.27
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	24.28
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	29.55
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	40.11
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	30.61
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test	35.89
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test	57.00
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	98.16
02 82 13 00-0015	EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing	112.94
02 82 13 00-0016	EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing	157.27

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

02 82 16 00-0001	Asbestos Encapsulation (Lock-Down) (02 82 16)	
02 82 16 00-0002	SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.11
02 82 16 00-0003	SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	1.60
02 82 16 00-0004	SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	1.51
02 82 16 00-0005	SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	1.73
02 82 16 00-0006	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	4.83
02 82 16 00-0007	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	5.38

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

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0004	EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	515.39
	For Work In Restricted Working Space, Add	154.62
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	26.35
	For Work In Restricted Working Space, Add	7.91
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	19.77
	For Work In Restricted Working Space, Add	5.93
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.83
	For Work In Restricted Working Space, Add	4.45
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.12
	For Work In Restricted Working Space, Add	3.34
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	9.67
	For Work In Restricted Working Space, Add	2.90
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0011	EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	515.39
	For Work In Restricted Working Space, Add	154.62
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	30.31
	For Work In Restricted Working Space, Add	9.09
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.73
	For Work In Restricted Working Space, Add	6.82
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.05
	For Work In Restricted Working Space, Add	5.12
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	12.78
	For Work In Restricted Working Space, Add	3.83
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.12
	For Work In Restricted Working Space, Add	3.34



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0002)</small>		
Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0018 EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	559.86	
For Work In Restricted Working Space, Add	167.96	
02 82 33 00-0019 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation	82.94	
For Work In Restricted Working Space, Add	24.88	
02 82 33 00-0020 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation	32.19	
For Work In Restricted Working Space, Add	9.66	
02 82 33 00-0021 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation	24.15	
For Work In Restricted Working Space, Add	7.25	
02 82 33 00-0022 LF >500 LF Additional Glove Bag Work for Pipe Insulation	18.10	
For Work In Restricted Working Space, Add	5.43	
02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal <small>(02 82 33 00-0023)</small>		
Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0025 EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	515.39	
02 82 33 00-0026 SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.35	
02 82 33 00-0027 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	20.76	
02 82 33 00-0028 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	15.57	
02 82 33 00-0029 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	11.68	
02 82 33 00-0030 Surfacing Material, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0031 Fireproofing For Small Areas, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0033 for areas > 1 SF see CSI section.		
02 82 33 00-0032 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal	128.85	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0033 Fireproofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0034 EA Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	515.39	
02 82 33 00-0035 SF >10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	31.62	
02 82 33 00-0036 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	23.71	
02 82 33 00-0037 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	17.78	
02 82 33 00-0038 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	13.34	
02 82 33 00-0039 Acoustical Plaster, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0040 EA Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	515.39	
02 82 33 00-0041 SF >10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	13.21	
02 82 33 00-0042 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.98	
02 82 33 00-0043 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	7.41	
02 82 33 00-0044 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	5.48	
02 82 33 00-0045 Plywood, Asbestos Abatement And Disposal <small>(02 82 33 00-0030)</small>		
02 82 33 00-0046 EA Up To 10 SF, Plywood, Asbestos Abatement And Disposal	515.39	
02 82 33 00-0047 SF >10 To 500 SF, Plywood, Asbestos Abatement And Disposal	10.96	
02 82 33 00-0048 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	5.27	
02 82 33 00-0049 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	3.56	
02 82 33 00-0050 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal	3.02	
02 82 33 00-0051 Asbestos-Cement Products, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0052 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal <small>(02 82 33 00-0051)</small>		
02 82 33 00-0053 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	515.39	
02 82 33 00-0054 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.58	
02 82 33 00-0055 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.35	
02 82 33 00-0056 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.88	
02 82 33 00-0057 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1.63	
02 82 33 00-0058 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal <small>(02 82 33 00-0051)</small>		
02 82 33 00-0059 EA Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	515.39	
02 82 33 00-0060 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	26.35	
02 82 33 00-0061 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.77	
02 82 33 00-0062 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.83	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0063 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	11.12	
02 82 33 00-0064 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	8.34	
02 82 33 00-0065 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	8.15	
02 82 33 00-0066 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0061)		
02 82 33 00-0067 EA Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	515.39	
02 82 33 00-0068 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.12	
02 82 33 00-0069 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.29	
02 82 33 00-0070 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.64	
02 82 33 00-0071 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	1.97	
02 82 33 00-0072 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	1.48	
02 82 33 00-0073 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0074 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0073)		
02 82 33 00-0075 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	515.39 154.62	
02 82 33 00-0076 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	51.25 15.38	
02 82 33 00-0077 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	34.17 10.25	
02 82 33 00-0078 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	25.66 7.70	
02 82 33 00-0079 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.50 6.15	
02 82 33 00-0080 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	17.42 5.23	
02 82 33 00-0081 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	15.67 4.70	
02 82 33 00-0082 Asbestos Contaminated Soil, Asbestos Abatement And Disposal (02 82 33 00-0073)		
02 82 33 00-0083 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	773.08 231.92	
02 82 33 00-0084 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	51.25 15.38	
02 82 33 00-0085 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	34.17 10.25	
02 82 33 00-0086 CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	25.66	
02 82 33 00-0087 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	20.50 6.15	
02 82 33 00-0088 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	17.42 5.23	
02 82 33 00-0089 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	15.67 4.70	
02 82 33 00-0090 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0073)		
02 82 33 00-0091 EA Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	515.39	
02 82 33 00-0092 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	46.12	
02 82 33 00-0093 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	30.75	
02 82 33 00-0094 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	23.09	
02 82 33 00-0095 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	18.45	
02 82 33 00-0096 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	15.69	
02 82 33 00-0097 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	14.11	
02 82 33 00-0098 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0099 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0098)		
02 82 33 00-0100 EA Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	103.08	
02 82 33 00-0101 EA >5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	39.53	
02 82 33 00-0102 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	26.35	
02 82 33 00-0103 Grout, Asbestos Abatement And Disposal (02 82 33 00-0098)		
Note: e.g. flue grout.		
02 82 33 00-0104 EA Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	193.28	
02 82 33 00-0105 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	10.14	
02 82 33 00-0106 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	6.98	
02 82 33 00-0107 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	5.98	
02 82 33 00-0108 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	5.14	
02 82 33 00-0109 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0110	LF		>2,500 LF, Grout, Asbestos Abatement And Disposal.....	3.80	
02 82 33 00-0111 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0098)					
Note: e.g. rope, web cloth, flat.					
02 82 33 00-0112	EA		Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	193.28	
02 82 33 00-0113	LF		>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....	13.67	
02 82 33 00-0114	LF		>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....	10.25	
02 82 33 00-0115	LF		>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....	8.73	
02 82 33 00-0116	LF		>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....	7.86	
02 82 33 00-0117	LF		>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	7.07	
02 82 33 00-0118	LF		>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	6.72	
02 82 33 00-0119 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0098)					
02 82 33 00-0120 Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0119)					
02 82 33 00-0121	EA		Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	193.28	
02 82 33 00-0122	LF		>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	7.60	
02 82 33 00-0123	LF		>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	5.36	
02 82 33 00-0124	LF		>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	3.99	
02 82 33 00-0125	LF		>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.99	
02 82 33 00-0126	LF		>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.37	
02 82 33 00-0127	LF		>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.06	
02 83 Lead Remediation (02 80)					
Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0050 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.					
02 83 19 Lead-Based Paint Remediation (02 83)					
02 83 19 13 Lead-Based Paint Abatement (02 83 19)					
02 83 19 13-0001 Sampling And Testing (02 83 19 13)					
Note: Includes taking sample, delivery to lab and lab fee.					
02 83 19 13-0002	EA		X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	36.38	
02 83 19 13-0003	EA		Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee.....	34.83	
02 83 19 13-0004	EA		Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee.....	52.78	
02 83 19 13-0005	EA		Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee.....	73.88	
02 83 19 13-0006	EA		Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee.....	13.72	
02 83 19 13-0007	EA		Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee.....	21.11	
02 83 19 13-0008	EA		Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee.....	26.39	
02 83 19 13-0009	EA		Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee.....	34.83	
02 83 19 13-0010	EA		Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee.....	52.78	
02 83 19 13-0011	EA		Lead Wipe Samples (5 Day Turnaround) And Lab Fee.....	5.81	
02 83 19 13-0012	EA		Lead Wipe Samples (24 Hour Turnaround) And Lab Fee.....	7.92	
02 83 19 13-0013	EA		Lead Wipe Samples (8 Hour Turnaround) And Lab Fee.....	11.61	
02 83 19 13-0014	EA		Lead Air Samples (5 Day Turn -Around) And Lab Fee.....	5.81	
02 83 19 13-0015	EA		Lead Air Samples (24 Hour Turnaround) And Lab Fee.....	7.92	
02 83 19 13-0016	EA		Lead Air Samples (8 Hour Turnaround) And Lab Fee.....	11.61	
02 83 19 13-0017	EA		Lead Water Test (5 Day Turnaround) and Lab Fee.....	21.11	
02 83 19 13-0018	EA		Lead Water Test (24 Hour Turnaround) and Lab Fee.....	31.66	
02 83 19 13-0019	EA		Lead Water Test (8 Hour Turnaround) and Lab Fee.....	42.22	
02 83 19 13-0020	EA		Lead Paint Chip Test (5 Day Turnaround) and Lab Fee.....	21.83	
02 83 19 13-0021	EA		Lead Soil Test (5 Day Turnaround) and Lab Fee.....	43.66	
02 83 19 13-0022	EA		Sample Pickup, Per Trip.....	31.66	
02 83 19 13-0023 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)					
Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.					
02 83 19 13-0024	SF		Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material.....	25.46	
02 83 19 13-0025	SF		Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material.....	38.07	
02 83 19 13-0026	SF		Fence, Picket, Chemical Stripping Of Lead Contaminated Material.....	22.87	
02 83 19 13-0027	SF		Floors, Wood, Chemical Stripping Of Lead Contaminated Material.....	5.70	
02 83 19 13-0028	SF		Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material.....	27.30	
02 83 19 13-0029	SF		Grilles, Simple, Chemical Stripping Of Lead Contaminated Material.....	22.82	
02 83 19 13-0030	EA		Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material.....	17.25	
02 83 19 13-0031	LF		Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	7.69	
02 83 19 13-0032	LF		>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	13.80	
02 83 19 13-0033	LF		>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	19.02	
02 83 19 13-0034	LF		>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	34.33	
02 83 19 13-0035	SF		>16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area.....	10.32	
02 83 19 13-0036	EA		Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	206.93	
02 83 19 13-0037	SF		Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material.....	7.63	

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

02 83 19 13-0038	SF	Steel Beams, Chemical Stripping Of Lead Contaminated Material	8.69
02 83 19 13-0039	SF	Metal Stair, Chemical Stripping Of Lead Contaminated Material	41.26
02 83 19 13-0040	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	20.74
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.			
02 83 19 13-0041	LF	Ornate Railings, Chemical Stripping Of Lead Contaminated Material.....	6.96

02 83 19 13-0042 Demolish Lead Contaminated Material (02 83 19 13)

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

02 83 19 13-0043	SF	Remove Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	4.71
02 83 19 13-0044	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	3.64
02 83 19 13-0045	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	4.83
02 83 19 13-0046	SF	Demolish Balustrades And Railings, Lead Contaminated Material	5.37
02 83 19 13-0047	SF	Demolish Brick, Lead Contaminated Material	3.24
02 83 19 13-0048	SF	Demolish Concrete Block, Lead Contaminated Material	4.17
02 83 19 13-0049	SF	Demolish Concrete, Lead Contaminated Material.....	10.68
02 83 19 13-0050	LF	Demolish Cabinets, Lead Contaminated Material	24.89
02 83 19 13-0051	SF	Demolish Fence, Picket, Lead Contaminated Material.....	2.04
02 83 19 13-0052	SF	Demolish Grilles, Lead Contaminated Material	3.00
02 83 19 13-0053	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	12.94
02 83 19 13-0054	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	5.30
02 83 19 13-0055	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	7.74
02 83 19 13-0056	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	11.70
02 83 19 13-0057	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	21.58
02 83 19 13-0058	EA	Demolish Radiators, Lead Contaminated Material	93.20
02 83 19 13-0059	SF	Demolish Siding, Lead Contaminated Material	1.45
02 83 19 13-0060	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material.....	3.35
02 83 19 13-0061	SF	Demolish Steel Beams, Lead Contaminated Material	3.96
02 83 19 13-0062	SF	Demolish Trusses, Lead Contaminated Material	5.19
02 83 19 13-0063	SF	Demolish Metal Stair, Lead Contaminated Material	6.17
02 83 19 13-0064	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	7.41
02 83 19 13-0065	SF	Demolish Plywood, Lead Contaminated Material.....	5.57
02 83 19 13-0066	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	2.72
02 83 19 13-0067	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	17.01
02 83 19 13-0068	LF	Demolish Metal Hand Rails, Lead Contaminated Material	4.54
02 83 19 13-0069	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	10.20

02 83 19 13-0070 Wet Sanding Of Lead Contaminated Material (02 83 19 13)

02 83 19 13-0071	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint.....	1.48
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02 83 19 13-0072 Lead Abatement Encapsulation (02 83 19 13)

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

02 83 19 13-0073	SF	Balustrades, Lead Abatement Encapsulation	4.70
02 83 19 13-0074	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	3.02
02 83 19 13-0075	SF	Columns, Lead Abatement Encapsulation	3.65
02 83 19 13-0076	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.18
02 83 19 13-0077	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.82
02 83 19 13-0078	SF	Grilles, Vents, Lead Abatement Encapsulation	5.07
02 83 19 13-0079	EA	Hangers, Lead Abatement Encapsulation.....	40.01
02 83 19 13-0080	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	2.85
02 83 19 13-0081	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.10
02 83 19 13-0082	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.36
02 83 19 13-0083	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.39
02 83 19 13-0084	SF	Siding, Lead Abatement Encapsulation	2.60
02 83 19 13-0085	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	3.02
02 83 19 13-0086	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	3.95
02 83 19 13-0087	SF	Trusses, Lead Abatement Encapsulation.....	3.95

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

02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.23
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.27
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	1.08

02 86 Hazardous Waste Drum Handling (02 86)**02 86 00 00-0001 Hazardous Waste Packaging (02 86)****02 86 00 00-0002 Overpacks (02 86 00 00-0001)****02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)**

02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High.....	192.76
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0005 EA 85 Gallon, 26" Diameter X 38" High.....	109.73	
02 86 00 00-0006 EA 83 Gallon, 26" Diameter X 36" High.....	105.90	
02 86 00 00-0007 EA 55 Gallon, DOT 17C, 18" Diameter X 34" High.....	66.26	
02 86 00 00-0008 EA 30 Gallon, DOT 17C, 18" Diameter X 28" High.....	52.19	
02 86 00 00-0009 EA 22 Gallon, 16" Diameter X 25" High.....	35.17	
02 86 00 00-0010 EA 15 Gallon, DOT 17C, 14" Diameter X 24" High.....	31.79	
02 86 00 00-0011 EA 10 Gallon, 13.8" Diameter X 15" High.....	28.02	
02 86 00 00-0012 Polyethylene Overpacks (02 86 00 00-0002)		
02 86 00 00-0013 EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High.....	217.74	
02 86 00 00-0014 EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High.....	40.24	
02 86 00 00-0015 EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	197.02	
02 86 00 00-0016 Composite Overpacks (02 86 00 00-0002)		
02 86 00 00-0017 EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	106.92	
02 86 00 00-0018 EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	146.72	
02 86 00 00-0019 EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums.....	199.01	
02 86 00 00-0020 DOT E-9168 Exempt Packaging (02 86 00 00-0002)		
02 86 00 00-0021 EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	9.78	
02 86 00 00-0022 EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.32	
02 86 00 00-0023 EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.09	
02 86 00 00-0024 EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	5.00	
02 86 00 00-0025 EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS.....	5.73	
02 86 00 00-0026 EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	3.93	
02 86 00 00-0027 EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	5.11	
02 86 00 00-0028 Steel Drums (02 86 00 00-0001)		
02 86 00 00-0029 UN Rated Steel Drums (02 86 00 00-0028)		
02 86 00 00-0030 EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum.....	65.74	
02 86 00 00-0031 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49).....	923.11	
02 86 00 00-0032 EA 8 Gallon, 17C, Open.....	35.90	
02 86 00 00-0033 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24).....	744.90	
02 86 00 00-0034 EA 55 Gallon Reconditioned Steel 17h Drum (50+).....	35.12	
02 86 00 00-0035 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49).....	730.88	
02 86 00 00-0036 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24).....	1,069.28	
02 86 00 00-0037 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+).....	875.05	
02 86 00 00-0038 EA UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum.....	62.13	
02 86 00 00-0039 EA UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum.....	50.38	
02 86 00 00-0040 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9).....	967.16	
02 86 00 00-0041 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49).....	1,049.26	
02 86 00 00-0042 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+).....	658.79	
02 86 00 00-0043 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+).....	945.14	
02 86 00 00-0044 EA UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum.....	39.70	
02 86 00 00-0045 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24).....	949.14	
02 86 00 00-0046 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	620.75	
02 86 00 00-0047 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	596.72	
02 86 00 00-0048 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	1,009.21	
02 86 00 00-0049 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	855.03	
02 86 00 00-0050 EA UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum.....	46.02	
02 86 00 00-0051 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+).....	810.97	
02 86 00 00-0052 EA UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum.....	39.12	
02 86 00 00-0053 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	985.18	
02 86 00 00-0054 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	570.69	
02 86 00 00-0055 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	550.66	
02 86 00 00-0056 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	967.16	
02 86 00 00-0057 EA 30 Gallon, 17E, Open.....	28.38	
02 86 00 00-0058 EA 55 Gallon Reconditioned Steel 17h Drum (1-9).....	51.51	
02 86 00 00-0059 EA 20 Gallon, 17C, Open.....	39.89	
02 86 00 00-0060 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	871.05	
02 86 00 00-0061 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9).....	1,043.25	
02 86 00 00-0062 EA 55 Gallon Reconditioned Steel 17h Drum (10-24).....	45.65	
02 86 00 00-0063 EA 55 Gallon Reconditioned Steel 17h Drum (25-49).....	39.80	
02 86 00 00-0064 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9).....	762.92	
02 86 00 00-0065 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24).....	1,023.23	
02 86 00 00-0066 EA 20 Gallon, 17E, Open.....	26.85	
02 86 00 00-0067 Plastic Drums (02 86 00 00-0001)		
02 86 00 00-0068 Polyethylene Closed Head Drums (02 86 00 00-0067)		
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069 EA 55 Gallon Polyethylene Closed Head Drums.....	41.27	
02 86 00 00-0070 EA 35 Gallon Polyethylene Closed Head Drums.....	31.68	
02 86 00 00-0071 EA 30 Gallon Polyethylene Closed Head Drums.....	28.77	
02 86 00 00-0072 EA 20 Gallon Polyethylene Closed Head Drums.....	20.10	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0073	EA		15 Gallon Polyethylene Closed Head Drums	19.71	
02 86 00 00-0074			Polyethylene Open Head Drums (02 86 00 00-0067)		
			Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA		55 Gallon Polyethylene Open Head Drums	52.16	
02 86 00 00-0076	EA		35 Gallon Polyethylene Open Head Drums	38.35	
02 86 00 00-0077	EA		30 Gallon Polyethylene Open Head Drums	36.44	
02 86 00 00-0078	EA		20 Gallon Polyethylene Open Head Drums	26.85	
02 86 00 00-0079	EA		15 Gallon Polyethylene Open Head Drums	23.01	
02 86 00 00-0080			Fiber Drums (02 86 00 00-0001)		
02 86 00 00-0081			Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
			Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA		30 Gallon Fiber Drum DOT-21C (1-9)	31.60	
02 86 00 00-0083	EA		30 Gallon Fiber Drum DOT-21C (10-24)	29.61	
02 86 00 00-0084	EA		30 Gallon Fiber Drum DOT-21C (25-49)	27.00	
02 86 00 00-0085	EA		30 Gallon Fiber Drum DOT-21C (50+)	26.69	
02 86 00 00-0086	EA		55 Gallon Fiber Drum DOT-21C (1-9)	32.52	
02 86 00 00-0087	EA		55 Gallon Fiber Drum DOT-21C (10-24)	30.68	
02 86 00 00-0088	EA		55 Gallon Fiber Drum DOT-21C (25-49)	28.38	
02 86 00 00-0089	EA		55 Gallon Fiber Drum DOT-21C (50-99)	27.46	
02 86 00 00-0090	EA		55 Gallon Fiber Drum DOT-21C (100+)	23.78	
02 86 00 00-0091	EA		10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined.....	20.25	
02 86 00 00-0092	EA		20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined.....	22.09	
02 86 00 00-0093	EA		20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined.....	25.77	
02 86 00 00-0094			Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095	EA		Load Drums On Disposal Truck	7.87	
02 86 00 00-0096	EA		Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	869.27	
02 86 00 00-0097			Transport Drums To Landfill (02 86 00 00-0001)		
			Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA		Transport Drum To Landfill	49.66	
			Note: Includes transportation for up to 25 miles.		
02 87			Bio-Hazard Material Remediation (02 80)		
			Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 13			Mold Remediation (02 87)		
			Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0050 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.		
02 87 13 33			Removal and Disposal of Materials with Mold (02 87 13)		
02 87 13 33-0001			Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
			Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002			Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)		
			Note: Diameter is outer size of insulation.		
02 87 13 33-0003			Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
			Note: Excludes encased fittings.		
02 87 13 33-0004	LF		Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.71	
02 87 13 33-0005	LF		>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	19.93	
02 87 13 33-0006	LF		>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.95	
02 87 13 33-0007	LF		>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.21	
02 87 13 33-0008	LF		>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.41	
02 87 13 33-0009	LF		>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.31	
02 87 13 33-0010			>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011	LF		Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	30.71	
02 87 13 33-0012	LF		>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.92	
02 87 13 33-0013	LF		>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.19	
02 87 13 33-0014	LF		>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.89	
02 87 13 33-0015	LF		>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.67	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.41	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019	SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	16.10	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.45	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.59	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.44	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.93	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal (02 87 13 33)		
		Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal (02 87 13 33-0024)		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SF	Up To 100 SF, Stucco, Mold Abatement And Disposal	16.10	
02 87 13 33-0027	SF	>100 To 500 SF, Stucco, Mold Abatement And Disposal	11.45	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.59	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.44	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	4.85	
02 87 13 33-0031		Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)		
		Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0032	SF	Up To 100 SF, Fireproofing, Mold Abatement And Disposal	16.10	
02 87 13 33-0033	SF	>100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.78	
02 87 13 33-0034	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.86	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.89	
02 87 13 33-0036	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	6.67	
02 87 13 33-0037		Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0038		Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0037)		
02 87 13 33-0039	SF	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	7.16	
02 87 13 33-0040	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.60	
02 87 13 33-0041	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.14	
02 87 13 33-0042	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.06	
02 87 13 33-0043	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.84	
02 87 13 33-0044		Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0045		Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0044)		
02 87 13 33-0046	CF	Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	29.71	
02 87 13 33-0047	CF	>10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.83	
02 87 13 33-0048	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.88	
02 87 13 33-0049	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.91	
02 87 13 33-0050	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	7.13	
02 87 13 33-0051	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.89	
02 87 13 33-0052	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.50	
02 87 13 33-0053		Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0054		Caulking, Mold Abatement And Disposal (02 87 13 33-0053)		
02 87 13 33-0055	LF	Up To 10 LF, Caulking, Mold Abatement And Disposal	3.03	
02 87 13 33-0056	LF	>10 To 50 LF, Caulking, Mold Abatement And Disposal	2.57	
02 87 13 33-0057	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	1.84	
02 87 13 33-0058	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.39	
02 87 13 33-0059	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.03	
02 87 13 33-0060	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.84	
02 87 13 33-0061	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	0.72	
02 87 13 33-0062		Wipe Down Walls, Ceilings And Floors (02 87 13 33-0053)		
02 87 13 33-0063	CSF	Wipe Down Floors With Mild Bleach Solution	14.31	
02 87 13 33-0064	CSF	Wipe Down Walls With Mild Bleach Solution	16.84	
02 87 13 33-0065	CSF	Wipe Down Ceilings With Mild Bleach Solution	19.16	
02 87 13 33-0066	CSF	Wipe Down Countertops With Mild Bleach Solution	15.62	
02 87 13 33-0067	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	19.82	
02 87 16		Excrement Removal (02 87)		
02 87 16 13		Bird Excrement Removal (02 87 16)		

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 16 13-0001		Bird Waste Removal <small>(02 87 16 13)</small>	
Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.			
02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	515.39
		<i>For Work In Restricted Working Space, Add</i>	154.62
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness.....	8.59
		<i>For Work In Restricted Working Space, Add</i>	2.58
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	7.81
		<i>For Work In Restricted Working Space, Add</i>	2.34
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	7.10
		<i>For Work In Restricted Working Space, Add</i>	2.13
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness.....	6.45
		<i>For Work In Restricted Working Space, Add</i>	1.94

02 89 Hazmat Ancillary Tasks And Support (02 89)

02 89 00 00-0001		Barriers And Protection <small>(02 89)</small>	
Note: Includes removal and disposal after use.			
02 89 00 00-0002		Isolation Barriers <small>(02 89 00 00-0001)</small>	
Note: Use framing task with applicable barrier task.			
02 89 00 00-0003	SF	1/2" Plywood For Solid Isolation Barrier	2.57
02 89 00 00-0004	SF	6 Mil Plastic Sheeting For Separation Barrier	0.31
02 89 00 00-0005	SF	1/2" Drywall For Solid Isolation Barrier.....	1.26
02 89 00 00-0006	SF	5/8" Drywall For Solid Isolation Barrier.....	1.40
02 89 00 00-0007		Cleaning Surfaces <small>(02 89 00 00-0001)</small>	
Note: Other surfaces within contamination area but not contaminated by, or part of removal.			
02 89 00 00-0008	SF	Up To 100 SF, Clean Asbestos Surface	1.25
02 89 00 00-0009	SF	>100 To 500 SF, Clean Asbestos Surface.....	0.88
02 89 00 00-0010	SF	>500 To 1,000 SF, Clean Asbestos Surface.....	0.57
02 89 00 00-0011	SF	>1,000 SF, Clean Asbestos Surface.....	0.44
02 89 00 00-0012		Hazmat Containment Construction <small>(02 89 00 00-0001)</small>	
02 89 00 00-0013	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.31
02 89 00 00-0014	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.41
02 89 00 00-0015	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.55
02 89 00 00-0016	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.44
02 89 00 00-0017	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.56
02 89 00 00-0018	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.74
02 89 00 00-0019		Decontamination Chambers <small>(02 89)</small>	
Note: Includes removal after use.			
02 89 00 00-0020	EA	Portable Personnel Decontamination Wash Facility (3 Stage).....	566.89
		Note: Includes connection to negative air system.	
		<i>For Dismantling And Relocation To A Different Area, Add</i>	343.07
02 89 00 00-0021	EA	Portable Waste Decontamination Unit	357.59
		Note: Includes connection to negative air system.	
		<i>For Dismantling And Relocation To A Different Area, Add</i>	245.68

END OF SECTION 02



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

03 01 Maintenance Of Concrete ⁽⁰³⁾

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

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

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51) Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting	1.79
	For Up To 100, Add	2.20
	For >100 To 250, Add	0.55
	For >250 To 500, Add	0.28
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000, Deduct	-0.11
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting.....	2.88
	For Up To 100, Add	4.38
	For >100 To 250, Add	1.10
	For >250 To 500, Add	0.55
	For >5,000 To 10,000, Deduct	-0.11
	For >10,000, Deduct	-0.22

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

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71) See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	4.82
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	15.53
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.44
03 01 30 71-0007	Concrete Grinding ^(03 01 30 71-0002)	
03 01 30 71-0008	SY Grinding Cured, Warped, Or Rough Slabs.....	1.40
03 01 30 71-0009	Verticals Or Overheads ^(03 01 30 71-0002) Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0010	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	7.20
03 01 30 71-0011	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	21.06
03 01 30 71-0012	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads.....	23.76
03 01 30 71-0013	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.51
03 01 30 71-0014	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	9.59
	Note: Rapid Set - Wunderfixx	
03 01 30 71-0015	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0016	SF Sweep Bridge Deck	0.01
03 01 30 71-0017	SF Clean Bridge Deck.....	0.01
03 01 30 71-0018	SF Treat Bridge Deck With Methacrylate Resin Sealant.....	1.29
03 01 30 71-0019	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0020	Concrete Patching ^(03 01 30 71-0019)	
03 01 30 71-0021	Walls ^(03 01 30 71-0020)	
03 01 30 71-0022	BAG Sika Top 111 Plus..... Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	97.18
	For Up To 10, Add	31.95
	For >10 To 25, Add	19.17
	For >25 To 50, Add	12.78
	For >50 To 75, Add	6.39
03 01 30 71-0023	BAG Sika Grout 212, 50 LB Bag	39.13
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	5.70
	For >10 To 25, Add	3.42
	For >25 To 50, Add	2.28
	For >50 To 75, Add	1.14
03 01 30 71-0024	EA Sika Flex 1A, 10.3 Ounce Tube	26.49
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0025	BAG Pea Gravel.....	18.68

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 01 30 71-0026	Crack Repair For Concrete (03 01 30 71-0001)	
03 01 30 71-0027	Non Structural Crack Repair For Concrete (03 01 30 71-0026)	
03 01 30 71-0028	Surface Applied, Non Structural Crack Repair For Concrete (03 01 30 71-0027) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	
03 01 30 71-0029	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.00
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0030	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.51
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0031	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.07
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0032	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.65
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0033	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.33
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0034	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	7.16
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0035	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.51
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0036	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.53
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0037	Pressure Injected, Non Structural Crack Repair For Concrete (03 01 30 71-0027) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.	
03 01 30 71-0038	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	19.85
	For Cracks Accessible From Both Sides, Add	4.03
03 01 30 71-0039	Structural Crack Repair For Concrete (03 01 30 71-0026)	
03 01 30 71-0040	Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0039) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.	
03 01 30 71-0041	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	5.56
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0042	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.62
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0043	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.55
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0044	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	7.61
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0045	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	6.28
	For V-Grooving Crack With Grinder, Add	4.04
03 01 30 71-0046	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	9.08
	For V-Grooving Crack With Grinder, Add	3.94
03 01 30 71-0047	Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0039) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.	
03 01 30 71-0048	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	17.87
	For Cracks Accessible From Both Sides, Add	4.03
03 01 30 71-0049	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	17.87
	For Cracks Accessible From Both Sides, Add	4.03
03 01 30 71-0050	Carbon Fiber Strengthening System (03 01 30 71-0001) Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0051 SF Carbon Fiber Strengthening System Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	52.35	
03 01 30 71-0052 SF Carbon Fiber Strengthening System Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	45.98	
03 01 30 71-0053 SF Carbon Fiber Strengthening System Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	40.39	

03 05 Common Work Results For Concrete ⁽⁰³⁾

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

03 05 00 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.37
03 05 00 00-0003 CY Set Retarding, Type B Concrete Admixture	2.33
03 05 00 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture	3.63
03 05 00 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture	7.26
03 05 00 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture	6.48
03 05 00 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture	12.96
03 05 00 00-0008 CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	2.80
03 05 00 00-0009 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	3.89
03 05 00 00-0010 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.77
03 05 00 00-0011 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	4.34
03 05 00 00-0012 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	6.22
03 05 00 00-0013 CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	8.29
03 05 00 00-0014 CY 25 LB/CY Steel Fibers, Concrete Admixture	20.34
03 05 00 00-0015 CY 10% Microsilica (Silica Fume), Concrete Admixture	69.42
03 05 00 00-0016 CY Corrosion Inhibiting Concrete Admixture	15.55
03 05 00 00-0017 CY Winter Service Or Heat, Concrete Add	3.63
03 05 00 00-0018 CY Chilled Water, Concrete Add	3.63
03 05 00 00-0019 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture	20.99
03 05 00 00-0020 CY Standard Color (See Davis Colors Color Card), Concrete Admixture	34.99
03 05 00 00-0021 CY Premium Color (See Davis Colors Color Card), Concrete Admixture	67.17
03 05 00 00-0022 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	93.29

03 10 Concrete Forming And Accessories ⁽⁰³⁾

03 11 Concrete Forming ^(03 10)

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

Note: Per square foot of formwork.

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

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

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

Note: For foundation work below or at grade.

03 11 13 00-0003 SF Continuous Footings Foundation Wood Formwork	5.84
For <1,000, Add	1.09
For Foundations >8' Below Grade, Add	1.06
For Curved Formwork, Add	2.11
03 11 13 00-0004 SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	6.96
For <1,000, Add	1.31
For Foundations >8' Below Grade, Add	1.28
For Curved Formwork, Add	2.55
03 11 13 00-0005 SF Mat Foundation Wood Formwork	8.06
For <1,000, Add	1.54
For Foundations >8' Below Grade, Add	1.50
For Curved Formwork, Add	3.01
03 11 13 00-0006 SF Grade Beams Or Duct Bank Foundation Wood Formwork	6.69
For <1,000, Add	1.27
For Foundations >8' Below Grade, Add	1.23
For Curved Formwork, Add	2.46
03 11 13 00-0007 SF Below Grade Walls Foundation Wood Formwork	9.49
Note: Excludes footing	
For <1,000, Add	1.79
For Foundations >8' Below Grade, Add	1.74
For Curved Formwork, Add	3.48
03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork ^(03 11 13 00-0001)	4.52
03 11 13 00-0009 LF Up To 6" High Slab Edge and Block-Out Wood Formwork	4.52
For Foundations >8' Below Grade, Add	0.84
For Curved Formwork, Add	1.69
For <250, Add	0.86
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork	6.46
For Foundations >8' Below Grade, Add	1.18
For Curved Formwork, Add	2.35
For <250, Add	1.21
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork	8.31
For Foundations >8' Below Grade, Add	1.52
For Curved Formwork, Add	3.05
For <1,000, Add	1.57

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 11 13 00-0012	Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork.....	34.91	
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork.....	50.89	
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork.....	63.93	
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork.....	91.69	
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork.....	131.57	
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork.....	173.81	
03 11 13 00-0019	Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork.....	10.61	
	For Curved Formwork, Add	3.92	
	For <1,000, Add	2.02	
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork.....	12.57	
	For Curved Formwork, Add	4.66	
	For <1,000, Add	2.39	
03 11 13 00-0022	Elevated Beam Wood Formwork (03 11 13 00-0001)		
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork.....	13.78	
	For Curved Formwork, Add	5.10	
	For <1,000, Add	2.62	
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork.....	8.80	
	For Curved Formwork, Add	3.27	
	For <1,000, Add	1.68	
03 11 13 00-0025	Elevated Slab Wood Formwork (03 11 13 00-0001)		
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF Elevated Slab Wood Formwork.....	8.12	
	For <1,000, Add	1.50	
03 11 13 00-0027	Metal Framed Formwork (03 11 13)		
	Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028	Foundation Metal Framed Formwork (03 11 13 00-0027)		
	Note: For foundation work below or at grade.		
03 11 13 00-0029	SF Continuous Footings Foundation Metal Framed Formwork.....	5.03	
	For <1,000, Add	0.96	
	For Foundations >8' Below Grade, Add	0.93	
	For Curved Formwork, Add	1.86	
03 11 13 00-0030	SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	5.62	
	For <1,000, Add	1.07	
	For Foundations >8' Below Grade, Add	1.05	
	For Curved Formwork, Add	2.09	
03 11 13 00-0031	SF Mat Foundation Metal Framed Formwork.....	6.24	
	For <1,000, Add	1.18	
	For Foundations >8' Below Grade, Add	1.15	
	For Curved Formwork, Add	2.30	
03 11 13 00-0032	SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	5.26	
	For <1,000, Add	1.00	
	For Foundations >8' Below Grade, Add	0.97	
	For Curved Formwork, Add	1.93	
03 11 13 00-0033	SF Below Grade Walls Foundation Metal Framed Formwork.....	8.12	
	Note: Excludes footing.		
	For <1,000, Add	1.55	
	For Foundations >8' Below Grade, Add	1.52	
	For Curved Formwork, Add	3.04	
03 11 13 00-0034	Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035	LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork.....	3.88	
	For Foundations >8' Below Grade, Add	0.76	
	For Curved Formwork, Add	1.53	
	For <250, Add	0.77	
03 11 13 00-0036	LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	4.85	
	For Foundations >8' Below Grade, Add	0.95	
	For Curved Formwork, Add	1.90	
	For <250, Add	0.96	
03 11 13 00-0037	SF >12" High Slab Edge and Block-Out Metal Framed Formwork.....	5.36	
	For Foundations >8' Below Grade, Add	1.05	
	For Curved Formwork, Add	2.10	
	For <1,000, Add	1.06	
03 11 13 00-0038	Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039	Square Columns (03 11 13 00-0038)		
03 11 13 00-0040	LF Up To 12" Square Column Metal Framed Formwork.....	31.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0041	LF		>12" To 16" Square Column Metal Framed Formwork	37.29	
03 11 13 00-0042	LF		>16" To 20" Square Column Metal Framed Formwork	43.60	
03 11 13 00-0043	LF		>20" To 24" Square Column Metal Framed Formwork	52.19	
03 11 13 00-0044	LF		>24" To 30" Square Column Metal Framed Formwork	62.78	
03 11 13 00-0045	LF		>30" To 36" Square Column Metal Framed Formwork	75.24	
03 11 13 00-0046	LF		>36" To 48" Square Column Metal Framed Formwork	96.43	
03 11 13 00-0047	LF		>48" To 60" Square Column Metal Framed Formwork	118.71	
03 11 13 00-0048			Round Columns (03 11 13 00-0038)		
03 11 13 00-0049	LF		Up To 12" Diameter Column Metal Formwork	26.07	
03 11 13 00-0050	LF		>12" To 16" Diameter Column Metal Formwork	29.35	
03 11 13 00-0051	LF		>16" To 20" Diameter Column Metal Formwork	34.05	
03 11 13 00-0052	LF		>20" To 24" Diameter Column Metal Formwork	40.37	
03 11 13 00-0053	LF		>24" To 30" Diameter Column Metal Formwork	48.10	
03 11 13 00-0054	LF		>30" To 36" Diameter Column Metal Formwork	55.41	
03 11 13 00-0055	LF		>36" To 48" Diameter Column Metal Formwork	70.15	
03 11 13 00-0056	LF		>48" To 60" Diameter Column Metal Formwork	87.43	
03 11 13 00-0057			Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058	SF		Up to 8' High Above Grade Wall Metal Framed Formwork	4.81	
			For Curved Formwork, Add	1.71	
			For <1,000, Add	0.89	
03 11 13 00-0059	SF		>8' High Above Grade Wall Metal Framed Formwork	5.82	
			For Curved Formwork, Add	2.06	
			For <1,000, Add	1.07	
03 11 13 00-0060			Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF		Bottom of Elevated Beam Metal Framed Formwork	4.76	
			For Curved Formwork, Add	1.60	
			For <1,000, Add	0.85	
03 11 13 00-0062	SF		Vertical Sides of Elevated Beam Metal Framed Formwork	3.55	
			For Curved Formwork, Add	1.25	
			For <1,000, Add	0.65	
03 11 13 00-0063			Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF		Elevated Slab Metal Framed Formwork	6.25	
			For <1,000, Add	1.00	
03 11 13 00-0065			Fiber Tube Formwork (03 11 13)		
			Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066			Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067	LF		8" Diameter Round Fiber Tube Formwork	15.38	
			For Plastic Lined, Add	0.82	
			For Columns >12' In Length, Add	1.54	
03 11 13 00-0068	LF		10" Diameter Round Fiber Tube Formwork	17.31	
			For Plastic Lined, Add	1.04	
			For Columns >12' In Length, Add	1.73	
03 11 13 00-0069	LF		12" Diameter Round Fiber Tube Formwork	19.75	
			For Plastic Lined, Add	1.20	
			For Columns >12' In Length, Add	1.98	
03 11 13 00-0070	LF		14" Diameter Round Fiber Tube Formwork	21.64	
			For Plastic Lined, Add	1.37	
			For Columns >12' In Length, Add	2.16	
03 11 13 00-0071	LF		16" Diameter Round Fiber Tube Formwork	22.83	
			For Plastic Lined, Add	1.55	
			For Columns >12' In Length, Add	2.28	
03 11 13 00-0072	LF		18" Diameter Round Fiber Tube Formwork	25.53	
			For Plastic Lined, Add	2.15	
			For Columns >12' In Length, Add	2.55	
03 11 13 00-0073	LF		20" Diameter Round Fiber Tube Formwork	28.11	
			For Plastic Lined, Add	2.72	
			For Columns >12' In Length, Add	2.81	
03 11 13 00-0074	LF		22" Diameter Round Fiber Tube Formwork	29.68	
			For Plastic Lined, Add	2.91	
			For Columns >12' In Length, Add	2.97	
03 11 13 00-0075	LF		24" Diameter Round Fiber Tube Formwork	31.25	
			For Plastic Lined, Add	3.09	
			For Columns >12' In Length, Add	3.13	
03 11 13 00-0076	LF		26" Diameter Round Fiber Tube Formwork	32.37	
			For Plastic Lined, Add	3.32	
			For Columns >12' In Length, Add	3.24	
03 11 13 00-0077	LF		28" Diameter Round Fiber Tube Formwork	33.59	
			For Plastic Lined, Add	3.57	
			For Columns >12' In Length, Add	3.36	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0078 LF 30" Diameter Round Fiber Tube Formwork.....	34.95	
For Plastic Lined, Add	3.86	
For Columns >12' In Length, Add	3.50	
03 11 13 00-0079 LF 36" Diameter Round Fiber Tube Formwork.....	39.63	
For Plastic Lined, Add	4.85	
For Columns >12' In Length, Add	3.96	
03 11 13 00-0080 LF 42" Diameter Round Fiber Tube Formwork.....	48.86	
For Plastic Lined, Add	7.32	
For Columns >12' In Length, Add	4.89	
03 11 13 00-0081 LF 48" Diameter Round Fiber Tube Formwork.....	58.06	
For Plastic Lined, Add	9.79	
For Columns >12' In Length, Add	5.81	
03 11 13 00-0082 Accessories For Formwork (03 11 13)		
03 11 13 00-0083 Keyway Forms, All Materials (03 11 13 00-0082)		
03 11 13 00-0084 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.58	
03 11 13 00-0085 Chamfer Strips, All Materials (03 11 13 00-0082)		
03 11 13 00-0086 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.67	
03 11 13 00-0087 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.94	
03 11 13 00-0088 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.24	
03 11 13 00-0089 Strip Out Reglets For Concrete Formwork (03 11 13 00-0082)		
03 11 13 00-0090 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	7.91	
03 11 13 00-0091 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0082)		
03 11 13 00-0092 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	9.17	
03 11 13 00-0093 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	10.93	
03 11 13 00-0094 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	13.20	
03 11 13 00-0095 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	14.69	
03 11 13 00-0096 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	18.84	
03 11 13 00-0097 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	38.83	
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 00-0001 Concrete Form Liners (03 11 16)		
03 11 16 00-0002 SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork.....	4.10	
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork.....	13.54	
For Curved Formwork, Add	5.22	
For <1,000, Add	2.64	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork.....	26.60	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	10.12	
For <1,000, Add	5.15	
03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork.....	10.92	
For Curved Formwork, Add	4.22	
For <1,000, Add	2.14	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork.....	20.34	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	7.85	
For <1,000, Add	3.97	
03 15 Concrete Accessories (03 10)		
03 15 13 Waterstops (03 15)		
03 15 13 13 Non-Expanding Waterstops (03 15 13)		
03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	5.92	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	6.58	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	7.73	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	8.39	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	11.74	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	6.05	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	7.71	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	12.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	10.37	
03 15 13 13-0011 Rubber Waterstops (03 15 13 13)		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	7.41	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	8.63	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	8.08	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.43	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	9.11	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.99	
03 15 13 16 Expanding Waterstops (03 15 13)		
03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop.....	5.09	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop.....	7.55	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop.....	8.42	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop.....	9.39	
03 15 16 Concrete Construction Joints (03 15)		
03 15 16 00-0001 Poured Expansion Joint (03 15 16)		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	2.83	0.70
<i>For Installation In Walls, Add</i>	1.16	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured.....	6.30	0.70
<i>For Installation In Walls, Add</i>	1.32	
03 15 16 00-0004 LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	2.30	0.70
<i>For Installation In Walls, Add</i>	1.16	
03 15 16 00-0005 LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	4.76	0.70
<i>For Installation In Walls, Add</i>	1.32	
03 15 16 00-0006 LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	3.15	0.70
<i>For Installation In Walls, Add</i>	1.32	
03 15 16 00-0007 LF 1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....	5.61	0.70
<i>For Installation In Walls, Add</i>	2.14	
03 15 16 00-0008 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	1.97	0.70
<i>For Installation In Walls, Add</i>	1.16	
03 15 16 00-0009 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	2.44	0.70
<i>For Installation In Walls, Add</i>	1.16	
03 15 16 00-0010 LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	3.37	0.70
<i>For Installation In Walls, Add</i>	1.32	
03 15 16 00-0011 Premolded Expansion Joints (03 15 16)		
03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0013 LF 1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.72	0.79
03 15 16 00-0014 LF 1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.98	0.84
03 15 16 00-0015 LF 1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.13	0.87
03 15 16 00-0016 LF 1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.30	0.91
03 15 16 00-0017 LF 3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.88	0.79
03 15 16 00-0018 LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.10	0.84
03 15 16 00-0019 LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.37	0.87
03 15 16 00-0020 LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.75	0.91
03 15 16 00-0021 LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.70	0.75
03 15 16 00-0022 LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.86	0.79
03 15 16 00-0023 LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.04	0.84
03 15 16 00-0024 LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.19	0.87
03 15 16 00-0025 LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.39	0.91
03 15 16 00-0026 LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.66	0.95
03 15 16 00-0027 LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.85	0.99
03 15 16 00-0028 LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.21	1.03
03 15 16 00-0029 LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.05	0.84
03 15 16 00-0030 LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.36	0.87
03 15 16 00-0031 LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.90	0.95
03 15 16 00-0032 SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	5.05	1.31
03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034 LF 1/2" x 4" Cork, Premolded Expansion Joint.....	2.97	0.84
03 15 16 00-0035 LF 1/2" x 6" Cork, Premolded Expansion Joint.....	3.34	0.91
03 15 16 00-0036 LF 1/2" x 8" Cork, Premolded Expansion Joint.....	3.64	0.95
03 15 16 00-0037 LF 1/2" x 10" Cork, Premolded Expansion Joint.....	5.12	0.99
03 15 16 00-0038 LF 1/2" x 12" Cork, Premolded Expansion Joint.....	5.45	1.03
03 15 16 00-0039 SF 1/2" Cork, Premolded Expansion Joint.....	6.02	1.31
03 15 16 00-0040 SF 3/4" Cork, Premolded Expansion Joint.....	6.99	1.31
03 15 16 00-0041 SF 1" Cork, Premolded Expansion Joint.....	7.44	1.31
03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.86	0.84
	03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.95	0.87
	03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.06	0.91
	03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.40	0.95
	03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.92	0.84
	03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.01	0.87
	03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.09	0.91
	03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.31	0.95
03 15 16 00-0051	Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)				
	03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint.....	1.89	0.84
	03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint.....	2.06	0.87
	03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint.....	2.30	0.95
03 15 16 00-0055	Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)				
	03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	3.64	0.79
	03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.37	0.79
03 15 16 00-0058	Asphalt Felt Control Joints Or Bond Breaker (03 15 16)				
	03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	0.92	0.59
	03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.85	0.59
03 15 16 00-0061	Keyed Cold Expansion And Control Joints (03 15 16)				
03 15 16 00-0062	24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)				
	03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	4.53	
	03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	4.61	
	03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	4.78	
	03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	5.08	
	03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	6.36	
03 15 19	Cast-In Concrete Anchors (03 15)				
03 15 19 00-0001	Cast In Place Anchors (03 15 19)				
	Note: For cast in place installations. Includes nut and washer.				
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001)				
	See CSI section 03 11 13 00-0002 for template.				
03 15 19 00-0003	1/2" And 5/8" Diameter (03 15 19 00-0002)				
	03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	5.93	
			For Galvanized, Add	0.72	
			For Stainless Steel, Add	5.01	
			For >10 To 50, Deduct	-0.23	
			For >50 To 100, Deduct	-0.49	
			For >100, Deduct	-0.97	
	03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.66	
			For Galvanized, Add	0.91	
			For Stainless Steel, Add	6.37	
			For >10 To 50, Deduct	-0.24	
			For >50 To 100, Deduct	-0.53	
			For >100, Deduct	-1.06	
	03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	7.76	
			For Galvanized, Add	1.26	
			For Stainless Steel, Add	8.79	
			For >10 To 50, Deduct	-0.26	
			For >50 To 100, Deduct	-0.59	
			For >100, Deduct	-1.18	
	03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.53	
			For Galvanized, Add	1.64	
			For Stainless Steel, Add	11.48	
			For >10 To 50, Deduct	-0.26	
			For >50 To 100, Deduct	-0.61	
			For >100, Deduct	-1.21	
	03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.10	
			For Galvanized, Add	2.19	
			For Stainless Steel, Add	15.33	
			For >10 To 50, Deduct	-0.29	
			For >50 To 100, Deduct	-0.68	
			For >100, Deduct	-1.36	
	03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	11.30	
			For Galvanized, Add	2.51	
			For Stainless Steel, Add	17.54	
			For >10 To 50, Deduct	-0.31	
			For >50 To 100, Deduct	-0.75	
			For >100, Deduct	-1.51	
03 15 19 00-0010	3/4" And 7/8" Diameter (03 15 19 00-0002)				



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0011	EA		3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	11.26	
			<i>For Galvanized, Add</i>	2.49	
			<i>For Stainless Steel, Add</i>	17.40	
			<i>For >10 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100, Deduct</i>	-1.51	
03 15 19 00-0012	EA		3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.79	
			<i>For Galvanized, Add</i>	2.90	
			<i>For Stainless Steel, Add</i>	20.27	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.84	
			<i>For >100, Deduct</i>	-1.69	
03 15 19 00-0013	EA		3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.29	
			<i>For Galvanized, Add</i>	3.71	
			<i>For Stainless Steel, Add</i>	25.97	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.95	
03 15 19 00-0014	EA		3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.17	
			<i>For Galvanized, Add</i>	4.68	
			<i>For Stainless Steel, Add</i>	32.73	
			<i>For >10 To 50, Deduct</i>	-0.44	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.23	
03 15 19 00-0015	EA		7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.67	
			<i>For Galvanized, Add</i>	3.40	
			<i>For Stainless Steel, Add</i>	23.80	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.91	
03 15 19 00-0016	EA		7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.13	
			<i>For Galvanized, Add</i>	4.07	
			<i>For Stainless Steel, Add</i>	28.49	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.21	
03 15 19 00-0017	EA		7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.34	
			<i>For Galvanized, Add</i>	5.43	
			<i>For Stainless Steel, Add</i>	37.98	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
03 15 19 00-0018	1" And 1-1/8" Diameter (03 15 19 00-0002)				
03 15 19 00-0019	EA		1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.78	
			<i>For Galvanized, Add</i>	4.40	
			<i>For Stainless Steel, Add</i>	30.77	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.24	
03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.07	
			<i>For Galvanized, Add</i>	5.29	
			<i>For Stainless Steel, Add</i>	37.03	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100, Deduct</i>	-2.63	
03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.84	
			<i>For Galvanized, Add</i>	6.63	
			<i>For Stainless Steel, Add</i>	46.41	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.94	
			<i>For Galvanized, Add</i>	8.10	
			<i>For Stainless Steel, Add</i>	56.70	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.96	
03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.86	
			<i>For Galvanized, Add</i>	5.50	
			<i>For Stainless Steel, Add</i>	38.47	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100, Deduct</i>	-2.52	
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.74	
			<i>For Galvanized, Add</i>	6.61	
			<i>For Stainless Steel, Add</i>	46.27	
			<i>For >10 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.97	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.40	
			<i>For Galvanized, Add</i>	8.29	
			<i>For Stainless Steel, Add</i>	58.03	
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-1.80	
			<i>For >100, Deduct</i>	-3.59	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.53	
			<i>For Galvanized, Add</i>	10.13	
			<i>For Stainless Steel, Add</i>	70.88	
			<i>For >10 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100, Deduct</i>	-4.47	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.66	
			<i>For Galvanized, Add</i>	6.87	
			<i>For Stainless Steel, Add</i>	48.06	
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100, Deduct</i>	-2.87	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.29	
			<i>For Galvanized, Add</i>	8.27	
			<i>For Stainless Steel, Add</i>	57.86	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-3.38	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.04	
			<i>For Galvanized, Add</i>	10.37	
			<i>For Stainless Steel, Add</i>	72.56	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100, Deduct</i>	-4.10	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.44	
			<i>For Galvanized, Add</i>	12.66	
			<i>For Stainless Steel, Add</i>	88.59	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.55	
			<i>For >100, Deduct</i>	-5.09	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.43	
			<i>For Galvanized, Add</i>	8.59	
			<i>For Stainless Steel, Add</i>	60.10	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100, Deduct</i>	-3.31	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.97	
			<i>For Galvanized, Add</i>	10.33	
			<i>For Stainless Steel, Add</i>	72.31	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100, Deduct</i>	-3.90	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	43.08	
			<i>For Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	90.69	
			<i>For >10 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.73	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.09	
			<i>For Galvanized, Add</i>	15.82	
			<i>For Stainless Steel, Add</i>	110.74	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100, Deduct</i>	-5.87	
03 15 19 00-0036			L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	10.80	
			<i>For Galvanized, Add</i>	1.90	
			<i>For Stainless Steel, Add</i>	13.30	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.59	
03 15 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.56	
			<i>For Galvanized, Add</i>	2.35	
			<i>For Stainless Steel, Add</i>	16.42	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0040	EA		3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.37	
			<i>For Galvanized, Add</i>	2.69	
			<i>For Stainless Steel, Add</i>	18.83	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100, Deduct</i>	-2.07	
03 15 19 00-0041	EA		3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.08	
			<i>For Galvanized, Add</i>	2.80	
			<i>For Stainless Steel, Add</i>	19.57	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.38	
03 15 19 00-0042	EA		3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.45	
			<i>For Galvanized, Add</i>	2.94	
			<i>For Stainless Steel, Add</i>	20.55	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100, Deduct</i>	-2.81	
03 15 19 00-0043	EA		7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.58	
			<i>For Galvanized, Add</i>	2.36	
			<i>For Stainless Steel, Add</i>	16.49	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.81	
03 15 19 00-0044	EA		7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.48	
			<i>For Galvanized, Add</i>	2.75	
			<i>For Stainless Steel, Add</i>	19.22	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100, Deduct</i>	-2.07	
03 15 19 00-0045	EA		7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.78	
			<i>For Galvanized, Add</i>	3.15	
			<i>For Stainless Steel, Add</i>	22.02	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.41	
03 15 19 00-0046	EA		7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.12	
			<i>For Galvanized, Add</i>	3.27	
			<i>For Stainless Steel, Add</i>	22.89	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100, Deduct</i>	-2.84	
03 15 19 00-0047	EA		7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.61	
			<i>For Galvanized, Add</i>	3.44	
			<i>For Stainless Steel, Add</i>	24.05	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100, Deduct</i>	-3.49	
03 15 19 00-0048			1" And 1-1/8" Diameter <small>(03 15 19 00-0038)</small>		
03 15 19 00-0049	EA		1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.03	
			<i>For Galvanized, Add</i>	3.02	
			<i>For Stainless Steel, Add</i>	21.14	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.05	
			<i>For >100, Deduct</i>	-2.10	
03 15 19 00-0050	EA		1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.29	
			<i>For Galvanized, Add</i>	3.40	
			<i>For Stainless Steel, Add</i>	23.80	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100, Deduct</i>	-2.44	
03 15 19 00-0051	EA		1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.18	
			<i>For Galvanized, Add</i>	3.80	
			<i>For Stainless Steel, Add</i>	26.60	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-2.90	
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.64	
			<i>For Galvanized, Add</i>	3.98	
			<i>For Stainless Steel, Add</i>	27.86	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.13	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.07	
			<i>For Galvanized, Add</i>	4.17	
			<i>For Stainless Steel, Add</i>	29.16	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100, Deduct</i>	-3.56	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.15	
			<i>For Galvanized, Add</i>	4.83	
			<i>For Stainless Steel, Add</i>	33.81	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.98	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.28	
			<i>For Galvanized, Add</i>	5.65	
			<i>For Stainless Steel, Add</i>	39.55	
			<i>For >10 To 50, Deduct</i>	-1.05	
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100, Deduct</i>	-4.76	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.44	
			<i>For Galvanized, Add</i>	3.98	
			<i>For Stainless Steel, Add</i>	27.83	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.50	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.48	
			<i>For Galvanized, Add</i>	4.45	
			<i>For Stainless Steel, Add</i>	31.15	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.96	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.99	
			<i>For Galvanized, Add</i>	4.66	
			<i>For Stainless Steel, Add</i>	32.59	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.60	
			<i>For >100, Deduct</i>	-3.20	
03 15 19 00-0059			1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.19	
			<i>For Galvanized, Add</i>	4.81	
			<i>For Stainless Steel, Add</i>	33.64	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100, Deduct</i>	-3.00	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.99	
			<i>For Galvanized, Add</i>	5.63	
			<i>For Stainless Steel, Add</i>	39.38	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.86	
			<i>For >100, Deduct</i>	-3.71	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.30	
			<i>For Galvanized, Add</i>	6.37	
			<i>For Stainless Steel, Add</i>	44.59	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-3.95	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.88	
			<i>For Galvanized, Add</i>	7.20	
			<i>For Stainless Steel, Add</i>	50.37	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.22	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.32	
			<i>For Galvanized, Add</i>	7.83	
			<i>For Stainless Steel, Add</i>	54.78	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.72	
03 15 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.24	
			<i>For Galvanized, Add</i>	8.38	
			<i>For Stainless Steel, Add</i>	58.66	
			<i>For >10 To 50, Deduct</i>	-1.12	
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100, Deduct</i>	-5.33	
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.17	
			<i>For Galvanized, Add</i>	8.97	
			<i>For Stainless Steel, Add</i>	62.79	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100, Deduct</i>	-6.14	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.30	
			<i>For Galvanized, Add</i>	9.92	
			<i>For Stainless Steel, Add</i>	69.41	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.64	
			<i>For >100, Deduct</i>	-7.29	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	24.60	
				<i>For Galvanized, Add</i>	6.01	
				<i>For Stainless Steel, Add</i>	42.07	
				<i>For >10 To 50, Deduct</i>	-0.63	
				<i>For >50 To 100, Deduct</i>	-1.56	
				<i>For >100, Deduct</i>	-3.12	
	03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	29.80	
				<i>For Galvanized, Add</i>	7.03	
				<i>For Stainless Steel, Add</i>	49.21	
				<i>For >10 To 50, Deduct</i>	-0.79	
				<i>For >50 To 100, Deduct</i>	-1.93	
				<i>For >100, Deduct</i>	-3.85	
	03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	32.48	
				<i>For Galvanized, Add</i>	7.96	
				<i>For Stainless Steel, Add</i>	55.72	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-2.05	
				<i>For >100, Deduct</i>	-4.11	
	03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	35.47	
				<i>For Galvanized, Add</i>	8.99	
				<i>For Stainless Steel, Add</i>	62.93	
				<i>For >10 To 50, Deduct</i>	-0.87	
				<i>For >50 To 100, Deduct</i>	-2.20	
				<i>For >100, Deduct</i>	-4.40	
	03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	39.23	
				<i>For Galvanized, Add</i>	9.78	
				<i>For Stainless Steel, Add</i>	68.46	
				<i>For >10 To 50, Deduct</i>	-0.98	
				<i>For >50 To 100, Deduct</i>	-2.46	
				<i>For >100, Deduct</i>	-4.91	
	03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.43	
				<i>For Galvanized, Add</i>	10.48	
				<i>For Stainless Steel, Add</i>	73.33	
				<i>For >10 To 50, Deduct</i>	-1.12	
				<i>For >50 To 100, Deduct</i>	-2.77	
				<i>For >100, Deduct</i>	-5.54	
	03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.83	
				<i>For Galvanized, Add</i>	11.30	
				<i>For Stainless Steel, Add</i>	79.10	
				<i>For >10 To 50, Deduct</i>	-1.31	
				<i>For >50 To 100, Deduct</i>	-3.19	
				<i>For >100, Deduct</i>	-6.38	
	03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	56.26	
				<i>For Galvanized, Add</i>	12.40	
				<i>For Stainless Steel, Add</i>	86.77	
				<i>For >10 To 50, Deduct</i>	-1.57	
				<i>For >50 To 100, Deduct</i>	-3.77	
				<i>For >100, Deduct</i>	-7.53	
	03 15 19 00-0076			1-1/2", 1-3/4", And 2" Diameter <small>(03 15 19 00-0036)</small>		
	03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	30.97	
				<i>For Galvanized, Add</i>	8.33	
				<i>For Stainless Steel, Add</i>	58.31	
				<i>For >10 To 50, Deduct</i>	-0.72	
				<i>For >50 To 100, Deduct</i>	-1.85	
				<i>For >100, Deduct</i>	-3.70	
	03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	34.03	
				<i>For Galvanized, Add</i>	8.74	
				<i>For Stainless Steel, Add</i>	61.15	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-2.09	
				<i>For >100, Deduct</i>	-4.19	
	03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.73	
				<i>For Galvanized, Add</i>	9.61	
				<i>For Stainless Steel, Add</i>	67.27	
				<i>For >10 To 50, Deduct</i>	-0.93	
				<i>For >50 To 100, Deduct</i>	-2.33	
				<i>For >100, Deduct</i>	-4.66	
	03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	40.67	
				<i>For Galvanized, Add</i>	10.50	
				<i>For Stainless Steel, Add</i>	73.50	
				<i>For >10 To 50, Deduct</i>	-0.98	
				<i>For >50 To 100, Deduct</i>	-2.49	
				<i>For >100, Deduct</i>	-4.98	
	03 15 19 00-0081	EA		1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.76	
				<i>For Galvanized, Add</i>	11.39	
				<i>For Stainless Steel, Add</i>	79.73	
				<i>For >10 To 50, Deduct</i>	-1.05	
				<i>For >50 To 100, Deduct</i>	-2.67	
				<i>For >100, Deduct</i>	-5.34	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0082	EA		1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.71	
			<i>For Galvanized, Add</i>	12.25	
			<i>For Stainless Steel, Add</i>	85.75	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-3.03	
			<i>For >100, Deduct</i>	-6.07	
03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.11	
			<i>For Galvanized, Add</i>	13.25	
			<i>For Stainless Steel, Add</i>	92.75	
			<i>For >10 To 50, Deduct</i>	-1.43	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100, Deduct</i>	-7.05	
03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.36	
			<i>For Galvanized, Add</i>	14.70	
			<i>For Stainless Steel, Add</i>	102.87	
			<i>For >10 To 50, Deduct</i>	-1.75	
			<i>For >50 To 100, Deduct</i>	-4.23	
			<i>For >100, Deduct</i>	-8.46	
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.80	
			<i>For Galvanized, Add</i>	12.53	
			<i>For Stainless Steel, Add</i>	87.71	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100, Deduct</i>	-4.40	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.10	
			<i>For Galvanized, Add</i>	12.81	
			<i>For Stainless Steel, Add</i>	89.64	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100, Deduct</i>	-4.78	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.53	
			<i>For Galvanized, Add</i>	13.01	
			<i>For Stainless Steel, Add</i>	91.07	
			<i>For >10 To 50, Deduct</i>	-0.93	
			<i>For >50 To 100, Deduct</i>	-2.50	
			<i>For >100, Deduct</i>	-5.00	
03 15 19 00-0088	EA		1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.72	
			<i>For Galvanized, Add</i>	15.03	
			<i>For Stainless Steel, Add</i>	105.18	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.72	
			<i>For >100, Deduct</i>	-5.44	
03 15 19 00-0089	EA		1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.17	
			<i>For Galvanized, Add</i>	17.35	
			<i>For Stainless Steel, Add</i>	121.42	
			<i>For >10 To 50, Deduct</i>	-1.12	
			<i>For >50 To 100, Deduct</i>	-3.12	
			<i>For >100, Deduct</i>	-6.23	
03 15 19 00-0090	EA		1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.38	
			<i>For Galvanized, Add</i>	17.58	
			<i>For Stainless Steel, Add</i>	123.03	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100, Deduct</i>	-7.00	
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.42	
			<i>For Galvanized, Add</i>	18.98	
			<i>For Stainless Steel, Add</i>	132.83	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-4.10	
			<i>For >100, Deduct</i>	-8.19	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	80.21	
			<i>For Galvanized, Add</i>	20.44	
			<i>For Stainless Steel, Add</i>	143.08	
			<i>For >10 To 50, Deduct</i>	-1.97	
			<i>For >50 To 100, Deduct</i>	-4.96	
			<i>For >100, Deduct</i>	-9.91	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.66	
			<i>For Galvanized, Add</i>	19.08	
			<i>For Stainless Steel, Add</i>	133.53	
			<i>For >10 To 50, Deduct</i>	-0.93	
			<i>For >50 To 100, Deduct</i>	-2.80	
			<i>For >100, Deduct</i>	-5.61	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.22	
			<i>For Galvanized, Add</i>	20.62	
			<i>For Stainless Steel, Add</i>	144.34	
			<i>For >10 To 50, Deduct</i>	-1.05	
			<i>For >50 To 100, Deduct</i>	-3.13	
			<i>For >100, Deduct</i>	-6.26	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.17	
			<i>For Galvanized, Add</i>	22.48	
			<i>For Stainless Steel, Add</i>	157.36	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-3.55	
			<i>For >100, Deduct</i>	-7.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0096	EA			2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....76.22		
				<i>For Galvanized, Add</i>	23.81	
				<i>For Stainless Steel, Add</i>	166.64	
				<i>For >10 To 50, Deduct</i>	-1.43	
				<i>For >50 To 100, Deduct</i>	-4.05	
				<i>For >100, Deduct</i>	-8.10	
03 15 19 00-0097	EA			2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....82.63		
				<i>For Galvanized, Add</i>	25.58	
				<i>For Stainless Steel, Add</i>	179.06	
				<i>For >10 To 50, Deduct</i>	-1.57	
				<i>For >50 To 100, Deduct</i>	-4.43	
				<i>For >100, Deduct</i>	-8.85	
03 15 19 00-0098	EA			2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....89.60		
				<i>For Galvanized, Add</i>	27.32	
				<i>For Stainless Steel, Add</i>	191.21	
				<i>For >10 To 50, Deduct</i>	-1.75	
				<i>For >50 To 100, Deduct</i>	-4.86	
				<i>For >100, Deduct</i>	-9.73	
03 15 19 00-0099	EA			2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....103.63		
				<i>For Galvanized, Add</i>	29.34	
				<i>For Stainless Steel, Add</i>	205.35	
				<i>For >10 To 50, Deduct</i>	-2.25	
				<i>For >50 To 100, Deduct</i>	-5.96	
				<i>For >100, Deduct</i>	-11.93	
03 15 19 00-0100	EA			2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....109.46		
				<i>For Galvanized, Add</i>	32.25	
				<i>For Stainless Steel, Add</i>	225.75	
				<i>For >10 To 50, Deduct</i>	-2.25	
				<i>For >50 To 100, Deduct</i>	-6.11	
				<i>For >100, Deduct</i>	-12.22	
03 15 19 00-0101	EA			2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....124.15		
				<i>For Galvanized, Add</i>	35.85	
				<i>For Stainless Steel, Add</i>	250.95	
				<i>For >10 To 50, Deduct</i>	-2.62	
				<i>For >50 To 100, Deduct</i>	-7.04	
				<i>For >100, Deduct</i>	-14.08	
03 15 19 00-0102				2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)		
03 15 19 00-0103	EA			2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....103.27		
				<i>For Galvanized, Add</i>	42.38	
				<i>For Stainless Steel, Add</i>	296.66	
				<i>For >10 To 50, Deduct</i>	-0.93	
				<i>For >50 To 100, Deduct</i>	-3.97	
				<i>For >100, Deduct</i>	-7.94	
03 15 19 00-0104	EA			2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....109.58		
				<i>For Galvanized, Add</i>	44.30	
				<i>For Stainless Steel, Add</i>	310.10	
				<i>For >10 To 50, Deduct</i>	-1.05	
				<i>For >50 To 100, Deduct</i>	-4.31	
				<i>For >100, Deduct</i>	-8.63	
03 15 19 00-0105	EA			2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....120.29		
				<i>For Galvanized, Add</i>	48.04	
				<i>For Stainless Steel, Add</i>	336.28	
				<i>For >10 To 50, Deduct</i>	-1.21	
				<i>For >50 To 100, Deduct</i>	-4.82	
				<i>For >100, Deduct</i>	-9.65	
03 15 19 00-0106	EA			2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....129.87		
				<i>For Galvanized, Add</i>	50.63	
				<i>For Stainless Steel, Add</i>	354.41	
				<i>For >10 To 50, Deduct</i>	-1.43	
				<i>For >50 To 100, Deduct</i>	-5.39	
				<i>For >100, Deduct</i>	-10.79	
03 15 19 00-0107	EA			2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....138.15		
				<i>For Galvanized, Add</i>	53.34	
				<i>For Stainless Steel, Add</i>	373.38	
				<i>For >10 To 50, Deduct</i>	-1.57	
				<i>For >50 To 100, Deduct</i>	-5.81	
				<i>For >100, Deduct</i>	-11.63	
03 15 19 00-0108	EA			2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....147.73		
				<i>For Galvanized, Add</i>	56.38	
				<i>For Stainless Steel, Add</i>	394.66	
				<i>For >10 To 50, Deduct</i>	-1.75	
				<i>For >50 To 100, Deduct</i>	-6.32	
				<i>For >100, Deduct</i>	-12.63	
03 15 19 00-0109	EA			2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....163.95		
				<i>For Galvanized, Add</i>	59.50	
				<i>For Stainless Steel, Add</i>	416.47	
				<i>For >10 To 50, Deduct</i>	-2.25	
				<i>For >50 To 100, Deduct</i>	-7.47	
				<i>For >100, Deduct</i>	-14.94	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110 EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.62	
For Galvanized, Add	47.98	
For Stainless Steel, Add	335.83	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-4.37	
For >100, Deduct	-8.73	
03 15 19 00-0111 EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	125.12	
For Galvanized, Add	51.32	
For Stainless Steel, Add	359.24	
For >10 To 50, Deduct	-1.12	
For >50 To 100, Deduct	-4.81	
For >100, Deduct	-9.63	
03 15 19 00-0112 EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.62	
For Galvanized, Add	54.70	
For Stainless Steel, Add	382.87	
For >10 To 50, Deduct	-1.31	
For >50 To 100, Deduct	-5.36	
For >100, Deduct	-10.72	
03 15 19 00-0113 EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.94	
For Galvanized, Add	57.74	
For Stainless Steel, Add	404.15	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-6.03	
For >100, Deduct	-12.07	
03 15 19 00-0114 EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	157.09	
For Galvanized, Add	61.06	
For Stainless Steel, Add	427.42	
For >10 To 50, Deduct	-1.75	
For >50 To 100, Deduct	-6.55	
For >100, Deduct	-13.10	
03 15 19 00-0115 EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	170.88	
For Galvanized, Add	65.78	
For Stainless Steel, Add	460.43	
For >10 To 50, Deduct	-1.97	
For >50 To 100, Deduct	-7.22	
For >100, Deduct	-14.44	
03 15 19 00-0116 EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	191.23	
For Galvanized, Add	69.39	
For Stainless Steel, Add	485.73	
For >10 To 50, Deduct	-2.62	
For >50 To 100, Deduct	-8.71	
For >100, Deduct	-17.43	

03 20 Concrete Reinforcing ⁽⁰³⁾

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

03 21 Reinforcement Bars ^(03 20)

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

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

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

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

03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.49
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.82
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.22
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.65
03 21 11 00-0006 LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.50
03 21 11 00-0007 LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.83
03 21 11 00-0008 LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.24
03 21 11 00-0009 LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.69
03 21 11 00-0010 LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.51
03 21 11 00-0011 LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.86
03 21 11 00-0012 LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.28
03 21 11 00-0013 LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.74
03 21 11 00-0014 LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.25
03 21 11 00-0015 LF #8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.79
03 21 11 00-0016 LF #9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.39
03 21 11 00-0017 LF #10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.12
03 21 11 00-0018 LF #11, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.87
03 21 11 00-0019 LF #14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.69
03 21 11 00-0020 LF #18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.33
03 21 11 00-0021 LF #6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.79
03 21 11 00-0022 LF #7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.32
03 21 11 00-0023 LF #8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.88
03 21 11 00-0024 LF #9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.51
03 21 11 00-0025 LF #10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.26
03 21 11 00-0026 LF #11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.05
03 21 11 00-0027 LF #14, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.94
03 21 11 00-0028 LF #18, Grade 75, Beams And Girders, Steel Reinforcement Bar	11.79
03 21 11 00-0029 LF #3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0030 LF #4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.87	
03 21 11 00-0031 LF #5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.30	
03 21 11 00-0032 LF #6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.77	
03 21 11 00-0033 LF #7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	2.30	
03 21 11 00-0034 LF #8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	2.85	
03 21 11 00-0035 LF #9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.48	
03 21 11 00-0036 LF #10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	4.23	
03 21 11 00-0037 LF #11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	5.00	
03 21 11 00-0038 LF #14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	6.88	
03 21 11 00-0039 LF #18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	11.68	

03 21 11 00-0040

Columns, Steel Reinforcement Bar (03 21 11)

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

03 21 11 00-0041 LF #3, Grade 40, Columns, Steel Reinforcement Bar.....	0.51	
03 21 11 00-0042 LF #4, Grade 40, Columns, Steel Reinforcement Bar.....	0.87	
03 21 11 00-0043 LF #5, Grade 40, Columns, Steel Reinforcement Bar.....	1.29	
03 21 11 00-0044 LF #6, Grade 40, Columns, Steel Reinforcement Bar.....	1.75	
03 21 11 00-0045 LF #3, Grade 50, Columns, Steel Reinforcement Bar.....	0.52	
03 21 11 00-0046 LF #4, Grade 50, Columns, Steel Reinforcement Bar.....	0.88	
03 21 11 00-0047 LF #5, Grade 50, Columns, Steel Reinforcement Bar.....	1.31	
03 21 11 00-0048 LF #6, Grade 50, Columns, Steel Reinforcement Bar.....	1.79	
03 21 11 00-0049 LF #3, Grade 60, Columns, Steel Reinforcement Bar.....	0.53	
03 21 11 00-0050 LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	0.91	
03 21 11 00-0051 LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	1.35	
03 21 11 00-0052 LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	1.84	
03 21 11 00-0053 LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	2.38	
03 21 11 00-0054 LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	2.93	
03 21 11 00-0055 LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	3.56	
03 21 11 00-0056 LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	4.31	
03 21 11 00-0057 LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	5.08	
03 21 11 00-0058 LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	6.98	
03 21 11 00-0059 LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	11.77	
03 21 11 00-0060 LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	1.89	
03 21 11 00-0061 LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	2.45	
03 21 11 00-0062 LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	3.02	
03 21 11 00-0063 LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	3.68	
03 21 11 00-0064 LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	4.45	
03 21 11 00-0065 LF #11, Grade 75, Columns, Steel Reinforcement Bar.....	5.26	
03 21 11 00-0066 LF #14, Grade 75, Columns, Steel Reinforcement Bar.....	7.23	
03 21 11 00-0067 LF #18, Grade 75, Columns, Steel Reinforcement Bar.....	12.23	
03 21 11 00-0068 LF #3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.54	
03 21 11 00-0069 LF #4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.92	
03 21 11 00-0070 LF #5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.37	
03 21 11 00-0071 LF #6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.87	
03 21 11 00-0072 LF #7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.43	
03 21 11 00-0073 LF #8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.99	
03 21 11 00-0074 LF #9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.65	
03 21 11 00-0075 LF #10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.42	
03 21 11 00-0076 LF #11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.21	
03 21 11 00-0077 LF #14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.17	
03 21 11 00-0078 LF #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	12.12	

03 21 11 00-0079

Footings, Steel Reinforcement Bar (03 21 11)

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

03 21 11 00-0080 LF #3, Grade 40, Footings, Steel Reinforcement Bar.....	0.44	
03 21 11 00-0081 LF #4, Grade 40, Footings, Steel Reinforcement Bar.....	0.74	
03 21 11 00-0082 LF #5, Grade 40, Footings, Steel Reinforcement Bar.....	1.11	
03 21 11 00-0083 LF #6, Grade 40, Footings, Steel Reinforcement Bar.....	1.51	
03 21 11 00-0084 LF #3, Grade 50, Footings, Steel Reinforcement Bar.....	0.45	
03 21 11 00-0085 LF #4, Grade 50, Footings, Steel Reinforcement Bar.....	0.75	
03 21 11 00-0086 LF #5, Grade 50, Footings, Steel Reinforcement Bar.....	1.13	
03 21 11 00-0087 LF #6, Grade 50, Footings, Steel Reinforcement Bar.....	1.55	
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar.....	0.46	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar.....	0.78	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar.....	1.17	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar.....	1.60	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar.....	2.06	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar.....	2.57	
03 21 11 00-0094 LF #9, Grade 60, Footings, Steel Reinforcement Bar.....	3.14	
03 21 11 00-0095 LF #10, Grade 60, Footings, Steel Reinforcement Bar.....	3.83	
03 21 11 00-0096 LF #11, Grade 60, Footings, Steel Reinforcement Bar.....	4.54	
03 21 11 00-0097 LF #14, Grade 60, Footings, Steel Reinforcement Bar.....	6.27	
03 21 11 00-0098 LF #18, Grade 60, Footings, Steel Reinforcement Bar.....	10.66	
03 21 11 00-0099 LF #6, Grade 75, Footings, Steel Reinforcement Bar.....	1.65	
03 21 11 00-0100 LF #7, Grade 75, Footings, Steel Reinforcement Bar.....	2.13	
03 21 11 00-0101 LF #8, Grade 75, Footings, Steel Reinforcement Bar.....	2.66	
03 21 11 00-0102 LF #9, Grade 75, Footings, Steel Reinforcement Bar.....	3.26	
03 21 11 00-0103 LF #10, Grade 75, Footings, Steel Reinforcement Bar.....	3.97	
03 21 11 00-0104 LF #11, Grade 75, Footings, Steel Reinforcement Bar.....	4.72	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.52
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	11.12
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.47
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.79
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.19
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.63
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.11
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.63
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.23
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.94
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.67
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.46
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	11.01

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

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

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.42
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.72
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.07
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.46
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.43
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.73
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.09
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.50
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.44
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.76
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.13
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.55
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.01
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.49
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.06
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.73
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.44
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.12
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.42
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.60
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.08
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.58
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.18
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.87
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.62
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.37
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.88
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.45
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.77
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.15
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.58
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.06
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.55
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.15
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.84
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.57
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.31
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	10.77

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

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

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.39
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.66
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.99
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.36
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.40
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.67
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.01
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.40
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.41
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.70
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.05
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.45
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.88
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.34
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.88
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.54
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.21
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.84
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.98
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.50
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.95
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.43



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.00	
				03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.68	
				03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.39	
				03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.09	
				03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	10.44	
				03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.42	
				03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.71	
				03 21 11 00-0187 LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.07	
				03 21 11 00-0188 LF #6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.48	
				03 21 11 00-0189 LF #7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.93	
				03 21 11 00-0190 LF #8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.40	
				03 21 11 00-0191 LF #9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.97	
				03 21 11 00-0192 LF #10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.65	
				03 21 11 00-0193 LF #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.34	
				03 21 11 00-0194 LF #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.03	
				03 21 11 00-0195 LF #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.33	
				03 21 11 00-0196 Walls, Steel Reinforcement Bar ^(03 21 11)		
				Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
				03 21 11 00-0197 LF #3, Grade 40, Walls, Steel Reinforcement Bar	0.37	
				03 21 11 00-0198 LF #4, Grade 40, Walls, Steel Reinforcement Bar	0.64	
				03 21 11 00-0199 LF #5, Grade 40, Walls, Steel Reinforcement Bar	0.95	
				03 21 11 00-0200 LF #6, Grade 40, Walls, Steel Reinforcement Bar	1.31	
				03 21 11 00-0201 LF #3, Grade 50, Walls, Steel Reinforcement Bar	0.38	
				03 21 11 00-0202 LF #4, Grade 50, Walls, Steel Reinforcement Bar	0.65	
				03 21 11 00-0203 LF #5, Grade 50, Walls, Steel Reinforcement Bar	0.97	
				03 21 11 00-0204 LF #6, Grade 50, Walls, Steel Reinforcement Bar	1.35	
				03 21 11 00-0205 LF #3, Grade 60, Walls, Steel Reinforcement Bar	0.39	
				03 21 11 00-0206 LF #4, Grade 60, Walls, Steel Reinforcement Bar	0.68	
				03 21 11 00-0207 LF #5, Grade 60, Walls, Steel Reinforcement Bar	1.01	
				03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar	1.40	
				03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar	1.82	
				03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar	2.28	
				03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar	2.80	
				03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar	3.44	
				03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar	4.11	
				03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar	5.71	
				03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar	9.76	
				03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar	1.45	
				03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar	1.89	
				03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar	2.37	
				03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar	2.92	
				03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar	3.58	
				03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar	4.29	
				03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar	5.96	
				03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar	10.22	
				03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.40	
				03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.69	
				03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.03	
				03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.43	
				03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.87	
				03 21 11 00-0229 LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.34	
				03 21 11 00-0230 LF #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.89	
				03 21 11 00-0231 LF #10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.55	
				03 21 11 00-0232 LF #11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.24	
				03 21 11 00-0233 LF #14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.90	
				03 21 11 00-0234 LF #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.11	
				03 21 11 00-0235 Mechanical Joint Connection ^(03 21 11)		
				03 21 11 00-0236 Thermal Type Mechanical Joint Connection ^(03 21 11 00-0235)		
				03 21 11 00-0237 EA Thermal Type Mechanical Joint Connection, Add Per Splice	153.42	
				03 21 11 00-0238 Screwed Type Mechanical Joint Connection ^(03 21 11 00-0235)		
				03 21 11 00-0239 EA Screwed Type Mechanical Joint Connection, Add Per Splice.....	84.78	
				03 21 11 00-0240 Deformed Straight Dowels ^(03 21 11)		
				03 21 11 00-0241 EA 3/8" Diameter x 24" Long, Deformed Straight Dowel	1.97	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	1.89	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.82	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.17	
				For Up To 12" Length, Deduct	-0.23	
				For >12" To <24" Length, Deduct	-0.12	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel	2.34	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.13	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.06	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.45	
			<i>For Up To 12" Length, Deduct</i>	-0.30	
			<i>For >12" To <24" Length, Deduct</i>	-0.15	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel	2.86	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.24	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.16	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.57	
			<i>For Up To 12" Length, Deduct</i>	-0.48	
			<i>For >12" To <24" Length, Deduct</i>	-0.24	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel	3.50	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.37	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.28	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.72	
			<i>For Up To 12" Length, Deduct</i>	-0.70	
			<i>For >12" To <24" Length, Deduct</i>	-0.35	
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel	4.13	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.30	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.22	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.65	
			<i>For Up To 12" Length, Deduct</i>	-0.97	
			<i>For >12" To <24" Length, Deduct</i>	-0.48	
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel	5.21	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.82	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.72	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.25	
			<i>For Up To 12" Length, Deduct</i>	-1.24	
			<i>For >12" To <24" Length, Deduct</i>	-0.62	
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel	6.15	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.10	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.98	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.56	
			<i>For Up To 12" Length, Deduct</i>	-1.53	
			<i>For >12" To <24" Length, Deduct</i>	-0.77	
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel	7.53	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.37	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.24	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.88	
			<i>For Up To 12" Length, Deduct</i>	-2.00	
			<i>For >12" To <24" Length, Deduct</i>	-1.00	
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel	8.95	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.68	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.54	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	4.24	
			<i>For Up To 12" Length, Deduct</i>	-2.47	
			<i>For >12" To <24" Length, Deduct</i>	-1.24	
03 21 11 00-0250			Spirals, Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,508.71	
			<i>For Grade 75, Add</i>	161.98	
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,476.33	
			<i>For Grade 75, Add</i>	161.98	
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,476.33	
			<i>For Grade 75, Add</i>	161.98	
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,411.25	
			<i>For Grade 75, Add</i>	161.98	
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,356.65	
			<i>For Grade 75, Add</i>	161.98	
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,355.75	
			<i>For Grade 75, Add</i>	165.96	
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,310.03	
			<i>For Grade 75, Add</i>	165.96	
03 21 11 00-0258			Accessories For Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0259			Reinforcing Steel Weld Splice <small>(03 21 11 00-0258)</small>		
03 21 11 00-0260	EA		Up To #6 Reinforcing Steel Weld Splice	32.43	
03 21 11 00-0261	EA		>#6 Reinforcing Steel Weld Splice	46.93	
03 21 11 00-0262			Reinforcing Steel Sleeve And Wedge Splice Joint <small>(03 21 11 00-0258)</small>		
03 21 11 00-0263	EA		Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	23.85	
03 21 11 00-0264	EA		#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	34.52	
03 21 11 00-0265	EA		#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	49.46	
03 21 13			Galvanized Reinforcement Steel Bars <small>(03 21)</small>		
03 21 13 00-0001			Beams And Girders, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF		#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.97	
03 21	13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.46	
03 21	13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.00	
03 21	13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.58	
03 21	13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.99	
03 21	13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.48	
03 21	13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.03	
03 21	13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.60	
03 21	13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.01	
03 21	13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.51	
03 21	13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.08	
03 21	13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.72	
03 21	13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.40	
03 21	13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.17	
03 21	13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.10	
03 21	13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.09	
03 21	13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.44	
03 21	13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	14.45	
03 21	13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.13	
03 21	13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.79	
03 21	13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.49	
03 21	13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.29	
03 21	13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.25	
03 21	13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.26	
03 21	13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.69	
03 21	13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	14.91	

03 21 13 00-0029

Columns, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.59	
03 21	13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.02	
03 21	13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.53	
03 21	13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.10	
03 21	13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.60	
03 21	13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.04	
03 21	13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.55	
03 21	13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.13	
03 21	13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21	13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.06	
03 21	13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.58	
03 21	13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.18	
03 21	13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.85	
03 21	13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.54	
03 21	13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.34	
03 21	13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.29	
03 21	13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.30	
03 21	13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.73	
03 21	13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	14.89	
03 21	13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.23	
03 21	13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.92	
03 21	13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.63	
03 21	13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.46	
03 21	13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.44	
03 21	13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.47	
03 21	13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.98	
03 21	13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	15.35	

03 21 13 00-0057

Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21	13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.52	
03 21	13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.89	
03 21	13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.35	
03 21	13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.86	
03 21	13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.53	
03 21	13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.91	
03 21	13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.37	
03 21	13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.89	
03 21	13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.55	
03 21	13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.93	
03 21	13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.40	
03 21	13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.94	
03 21	13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.53	
03 21	13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.18	
03 21	13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.92	
03 21	13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.81	
03 21	13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.76	
03 21	13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.02	
03 21	13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.78	
03 21	13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	1.99	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	2.60
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	3.27
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	4.04
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	4.96
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	5.93
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	8.27
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar.....	14.24

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.50
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.87
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.31
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.81
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.51
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.89
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.33
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.84
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.91
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.36
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.89
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.48
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.10
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.84
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar.....	4.71
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar.....	5.66
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar.....	7.87
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar.....	13.54
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	1.94
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.55
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.19
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.96
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar.....	4.86
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar.....	5.83
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar.....	8.12
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar.....	14.00

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.47
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.81
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.23
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.71
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.48
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.83
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.25
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.74
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.85
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.28
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.79
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.35
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.95
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.66
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	4.52
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	5.43
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	7.59
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	13.10
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.84
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.42
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.04
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.78
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	4.67
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	5.60
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	7.84
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar.....	13.56

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	0.45
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	0.79
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	1.19
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar.....	1.66
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	0.46
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	0.81
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	1.21
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar.....	1.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0150 LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0151 LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.83	
03 21 13 00-0152 LF #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.24	
03 21 13 00-0153 LF #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.74	
03 21 13 00-0154 LF #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.29	
03 21 13 00-0155 LF #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.89	
03 21 13 00-0156 LF #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.58	
03 21 13 00-0157 LF #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.42	
03 21 13 00-0158 LF #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.33	
03 21 13 00-0159 LF #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.46	
03 21 13 00-0160 LF #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	12.88	
03 21 13 00-0161 LF #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.79	
03 21 13 00-0162 LF #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.36	
03 21 13 00-0163 LF #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.98	
03 21 13 00-0164 LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.70	
03 21 13 00-0165 LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.57	
03 21 13 00-0166 LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.50	
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.71	
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	13.34	

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

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.57	
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.96	
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.43	
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.96	
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.57	
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.97	
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.45	
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.99	
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.99	
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.49	
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.04	
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.67	
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.33	
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.09	
03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.00	
03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.95	
03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.25	
03 21 16 00-0020 LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.11	
03 21 16 00-0021 LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.09	
03 21 16 00-0022 LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.74	
03 21 16 00-0023 LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.42	
03 21 16 00-0024 LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.20	
03 21 16 00-0025 LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.14	
03 21 16 00-0026 LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.13	
03 21 16 00-0027 LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.50	
03 21 16 00-0028 LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.57	

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030 LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0031 LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.01	
03 21 16 00-0032 LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.50	
03 21 16 00-0033 LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.06	
03 21 16 00-0034 LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0035 LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.02	
03 21 16 00-0036 LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.52	
03 21 16 00-0037 LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.09	
03 21 16 00-0038 LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0039 LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
03 21 16 00-0040 LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.56	
03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.14	
03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.80	
03 21 16 00-0043 LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.47	
03 21 16 00-0044 LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.26	
03 21 16 00-0045 LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.19	
03 21 16 00-0046 LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.16	
03 21 16 00-0047 LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.54	
03 21 16 00-0048 LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	14.55	
03 21 16 00-0049 LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.19	
03 21 16 00-0050 LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.87	
03 21 16 00-0051 LF #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.56	
03 21 16 00-0052 LF #9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.37	
03 21 16 00-0053 LF #10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.33	
03 21 16 00-0054 LF #11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.34	
03 21 16 00-0055 LF #14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.79	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0056 LF #18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar..... 15.01

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....0.52
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....0.88
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.32
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.82
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....0.52
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....0.89
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.34
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.85
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....0.54
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....0.91
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.38
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.90
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....2.48
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....3.11
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....3.84
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....4.71
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....5.62
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....7.83
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....13.44
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....1.95
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....2.55
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....3.20
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....3.95
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....4.85
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....5.80
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....8.08
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....13.90

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....0.50
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....0.86
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.28
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.77
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....0.50
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....0.87
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.30
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.80
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....0.52
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....0.89
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.34
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.85
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....2.43
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....3.03
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....3.76
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....4.61
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....5.52
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....7.68
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....13.20
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....1.90
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....2.50
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....3.12
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....3.87
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....4.75
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....5.70
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....7.93
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....13.66

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....0.47
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....0.80
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....1.20
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....1.67
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....0.47
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....0.81
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....1.22
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....1.70
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....0.49
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....0.83
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....1.26
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....1.75
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....2.30
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....2.88



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0128	LF			#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.58	
03 21 16 00-0129	LF			#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.42	
03 21 16 00-0130	LF			#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.29	
03 21 16 00-0131	LF			#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.40	
03 21 16 00-0132	LF			#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	12.76	
03 21 16 00-0133	LF			#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.80	
03 21 16 00-0134	LF			#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.37	
03 21 16 00-0135	LF			#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.97	
03 21 16 00-0136	LF			#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.69	
03 21 16 00-0137	LF			#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.56	
03 21 16 00-0138	LF			#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.47	
03 21 16 00-0139	LF			#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.65	
03 21 16 00-0140	LF			#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	13.22	
03 21 16 00-0141				Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.						
03 21 16 00-0142	LF			#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.45	
03 21 16 00-0143	LF			#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.78	
03 21 16 00-0144	LF			#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.16	
03 21 16 00-0145	LF			#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.62	
03 21 16 00-0146	LF			#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.45	
03 21 16 00-0147	LF			#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.79	
03 21 16 00-0148	LF			#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.18	
03 21 16 00-0149	LF			#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.65	
03 21 16 00-0150	LF			#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.47	
03 21 16 00-0151	LF			#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.81	
03 21 16 00-0152	LF			#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.22	
03 21 16 00-0153	LF			#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.70	
03 21 16 00-0154	LF			#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.24	
03 21 16 00-0155	LF			#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.82	
03 21 16 00-0156	LF			#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.50	
03 21 16 00-0157	LF			#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.32	
03 21 16 00-0158	LF			#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.19	
03 21 16 00-0159	LF			#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.27	
03 21 16 00-0160	LF			#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	12.54	
03 21 16 00-0161	LF			#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.75	
03 21 16 00-0162	LF			#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.31	
03 21 16 00-0163	LF			#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.91	
03 21 16 00-0164	LF			#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.61	
03 21 16 00-0165	LF			#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.46	
03 21 16 00-0166	LF			#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.37	
03 21 16 00-0167	LF			#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.52	
03 21 16 00-0168	LF			#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	13.00	
03 21 16 00-0169				Epoxy Coated Deformed Straight Dowels (03 21 16)		
03 21 16 00-0170	EA			3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.32	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.04	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	1.97	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.35	
				For Up To 12" Length, Deduct	-0.32	
				For >12" To <24" Length, Deduct	-0.16	
03 21 16 00-0171	EA			1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.81	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.13	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.06	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.45	
				For Up To 12" Length, Deduct	-0.49	
				For >12" To <24" Length, Deduct	-0.25	
03 21 16 00-0172	EA			5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.49	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.24	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.16	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.57	
				For Up To 12" Length, Deduct	-0.73	
				For >12" To <24" Length, Deduct	-0.37	
03 21 16 00-0173	EA			3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.19	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.37	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.28	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.72	
				For Up To 12" Length, Deduct	-0.97	
				For >12" To <24" Length, Deduct	-0.49	
03 21 16 00-0174	EA			7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.23	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.58	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.48	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	2.96	
				For Up To 12" Length, Deduct	-1.32	
				For >12" To <24" Length, Deduct	-0.66	
03 21 16 00-0175	EA			1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.19	
				For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth	2.82	
				For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth	2.72	
				For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth	3.25	
				For Up To 12" Length, Deduct	-1.63	
				For >12" To <24" Length, Deduct	-0.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0176	EA		1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....7.38		
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.25	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.13	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.74	
			<i>For Up To 12" Length, Deduct</i>	-1.98	
			<i>For >12" To <24" Length, Deduct</i>	-0.99	
03 21 16 00-0177	EA		1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....8.86		
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.82	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.68	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	4.40	
			<i>For Up To 12" Length, Deduct</i>	-2.39	
			<i>For >12" To <24" Length, Deduct</i>	-1.20	

03 22 Fabric And Grid Reinforcing (03 20)

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

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

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

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

03 22 11 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....0.63		
			<i>For >5 Ton, Deduct</i>	-0.10	
03 22 11 00-0003	SF		6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....0.72		
			<i>For >5 Ton, Deduct</i>	-0.11	
03 22 11 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....0.81		
			<i>For >5 Ton, Deduct</i>	-0.12	
03 22 11 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....0.96		
			<i>For >5 Ton, Deduct</i>	-0.14	
03 22 11 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....0.75		
			<i>For >5 Ton, Deduct</i>	-0.11	
03 22 11 00-0007	SF		4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....0.84		
			<i>For >5 Ton, Deduct</i>	-0.12	
03 22 11 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....1.05		
			<i>For >5 Ton, Deduct</i>	-0.15	
03 22 11 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....1.22		
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 11 00-0010	SF		2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....1.13		
			<i>For >5 Ton, Deduct</i>	-0.15	

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....0.70		
			<i>For >5 Ton, Deduct</i>	-0.10	
03 22 13 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....0.80		
			<i>For >5 Ton, Deduct</i>	-0.12	
03 22 13 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....0.91		
			<i>For >5 Ton, Deduct</i>	-0.13	
03 22 13 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....1.10		
			<i>For >5 Ton, Deduct</i>	-0.15	
03 22 13 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....0.84		
			<i>For >5 Ton, Deduct</i>	-0.12	
03 22 13 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....0.95		
			<i>For >5 Ton, Deduct</i>	-0.13	
03 22 13 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....1.23		
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 13 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....1.45		
			<i>For >5 Ton, Deduct</i>	-0.19	

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF		2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....2.49		
			<i>For >5 Ton, Deduct</i>	-0.39	

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....0.69		
			<i>For >5 Ton, Deduct</i>	-0.10	
03 22 16 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....0.79		
			<i>For >5 Ton, Deduct</i>	-0.12	
03 22 16 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....0.90		
			<i>For >5 Ton, Deduct</i>	-0.13	
03 22 16 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....1.09		
			<i>For >5 Ton, Deduct</i>	-0.15	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.83	
<i>For >5 Ton, Deduct</i>	-0.12	
03 22 16 00-0007 SF 4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.94	
<i>For >5 Ton, Deduct</i>	-0.13	
03 22 16 00-0008 SF 4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.21	
<i>For >5 Ton, Deduct</i>	-0.16	
03 22 16 00-0009 SF 4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.42	
<i>For >5 Ton, Deduct</i>	-0.19	

03 30 Cast-In-Place Concrete ⁽⁰³⁾

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

03 31 Structural Concrete ^(03 30)

03 31 13 Heavyweight Structural Concrete ^(03 31)

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

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

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

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

03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.08	
<i>For 2,000 PSI Concrete, Deduct</i>	-0.16	
<i>For 2,500 PSI Concrete, Deduct</i>	-0.08	
<i>For 3,500 PSI Concrete, Add</i>	0.06	
<i>For 4,000 PSI Concrete, Add</i>	0.19	
<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
<i>For Up To 500, Add</i>	2.44	
<i>For >500 To 1,000, Add</i>	1.67	
<i>For >1,000 To 2,000, Add</i>	0.91	
<i>For >2,000 To 5,000, Add</i>	0.46	
<i>For >10,000 To 20,000, Deduct</i>	-0.15	
<i>For >20,000 To 35,000, Deduct</i>	-0.30	
<i>For >35,000 To 50,000, Deduct</i>	-0.46	
<i>For >50,000 To 70,000, Deduct</i>	-0.61	
<i>For >70,000, Deduct</i>	-0.76	
03 31 13 00-0004 SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.64	
<i>For 2,000 PSI Concrete, Deduct</i>	-0.19	
<i>For 2,500 PSI Concrete, Deduct</i>	-0.09	
<i>For 3,500 PSI Concrete, Add</i>	0.07	
<i>For 4,000 PSI Concrete, Add</i>	0.22	
<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
<i>For Up To 500, Add</i>	2.60	
<i>For >500 To 1,000, Add</i>	1.79	
<i>For >1,000 To 2,000, Add</i>	0.98	
<i>For >2,000 To 5,000, Add</i>	0.49	
<i>For >10,000 To 20,000, Deduct</i>	-0.17	
<i>For >20,000 To 35,000, Deduct</i>	-0.34	
<i>For >35,000 To 50,000, Deduct</i>	-0.50	
<i>For >50,000 To 70,000, Deduct</i>	-0.67	
<i>For >70,000, Deduct</i>	-0.84	
03 31 13 00-0005 SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.43	
<i>For 2,000 PSI Concrete, Deduct</i>	-0.22	
<i>For 2,500 PSI Concrete, Deduct</i>	-0.11	
<i>For 3,500 PSI Concrete, Add</i>	0.08	
<i>For 4,000 PSI Concrete, Add</i>	0.25	
<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
<i>For Up To 500, Add</i>	2.85	
<i>For >500 To 1,000, Add</i>	1.96	
<i>For >1,000 To 2,000, Add</i>	1.08	
<i>For >2,000 To 5,000, Add</i>	0.54	
<i>For >10,000 To 20,000, Deduct</i>	-0.20	
<i>For >20,000 To 35,000, Deduct</i>	-0.39	
<i>For >35,000 To 50,000, Deduct</i>	-0.57	
<i>For >50,000 To 70,000, Deduct</i>	-0.76	
<i>For >70,000, Deduct</i>	-0.94	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.17	
			For 2,000 PSI Concrete, Deduct	-0.25	
			For 2,500 PSI Concrete, Deduct	-0.13	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.29	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.05	
			For >500 To 1,000, Add	2.11	
			For >1,000 To 2,000, Add	1.17	
			For >2,000 To 5,000, Add	0.59	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000 To 35,000, Deduct	-0.44	
			For >35,000 To 50,000, Deduct	-0.64	
			For >50,000 To 70,000, Deduct	-0.84	
			For >70,000, Deduct	-1.05	
03 31	13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.81	
			For 2,000 PSI Concrete, Deduct	-0.28	
			For 2,500 PSI Concrete, Deduct	-0.14	
			For 3,500 PSI Concrete, Add	0.10	
			For 4,000 PSI Concrete, Add	0.32	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.23	
			For >500 To 1,000, Add	2.24	
			For >1,000 To 2,000, Add	1.25	
			For >2,000 To 5,000, Add	0.62	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000 To 35,000, Deduct	-0.48	
			For >35,000 To 50,000, Deduct	-0.70	
			For >50,000 To 70,000, Deduct	-0.92	
			For >70,000, Deduct	-1.14	
03 31	13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.45	
			For 2,000 PSI Concrete, Deduct	-0.35	
			For 2,500 PSI Concrete, Deduct	-0.17	
			For 3,500 PSI Concrete, Add	0.12	
			For 4,000 PSI Concrete, Add	0.41	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.68	
			For >500 To 1,000, Add	2.56	
			For >1,000 To 2,000, Add	1.44	
			For >2,000 To 5,000, Add	0.72	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000 To 35,000, Deduct	-0.59	
			For >35,000 To 50,000, Deduct	-0.85	
			For >50,000 To 70,000, Deduct	-1.11	
			For >70,000, Deduct	-1.37	
03 31	13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.72	
			For 2,000 PSI Concrete, Deduct	-0.40	
			For 2,500 PSI Concrete, Deduct	-0.20	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.47	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	4.04	
			For >500 To 1,000, Add	2.82	
			For >1,000 To 2,000, Add	1.60	
			For >2,000 To 5,000, Add	0.80	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000 To 35,000, Deduct	-0.67	
			For >35,000 To 50,000, Deduct	-0.96	
			For >50,000 To 70,000, Deduct	-1.25	
			For >70,000, Deduct	-1.55	

- 03 31 13 00-0010 Concrete Delivery And Placement (03 31 13)
 Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.
- 03 31 13 00-0011 Place Concrete By Method Indicated (03 31 13 00-0010)
 Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.
- 03 31 13 00-0012 Place Concrete Pile Caps (03 31 13 00-0011)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	218.92	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	37.59	
For >20 To 50, Add	14.10	
For >100 To 200, Deduct	-4.38	
For >200 To 400, Deduct	-8.76	
For >400, Deduct	-13.14	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps.....	169.20	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	17.70	
For >20 To 50, Add	6.64	
For >100 To 200, Deduct	-3.38	
For >200 To 400, Deduct	-6.77	
For >400, Deduct	-10.15	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	177.50	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	16.86	
For >20 To 50, Add	6.32	
For >100 To 200, Deduct	-3.55	
For >200 To 400, Deduct	-7.10	
For >400, Deduct	-10.65	
03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	208.48	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	33.41	
For >20 To 50, Add	12.53	
For >100 To 200, Deduct	-4.17	
For >200 To 400, Deduct	-8.34	
For >400, Deduct	-12.51	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	164.29
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.75
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.37
		<i>For 3,500 PSI Concrete, Add</i>	6.25
		<i>For 3,750 PSI Concrete, Add</i>	8.50
		<i>For 4,000 PSI Concrete, Add</i>	10.75
		<i>For 4,500 PSI Concrete, Add</i>	12.50
		<i>For 5,000 PSI Concrete, Add</i>	14.24
		<i>For 6,000 PSI Concrete, Add</i>	33.74
		<i>For 7,500 PSI Concrete, Add</i>	83.78
		<i>For White Cement Concrete, Add</i>	14.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.24
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.50
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	37.49
		<i>For Up To 20, Add</i>	15.74
		<i>For >20 To 50, Add</i>	5.90
		<i>For >100 To 200, Deduct</i>	-3.29
		<i>For >200 To 400, Deduct</i>	-6.57
		<i>For >400, Deduct</i>	-9.86
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	172.83
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.31
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.65
		<i>For 3,500 PSI Concrete, Add</i>	6.77
		<i>For 3,750 PSI Concrete, Add</i>	9.20
		<i>For 4,000 PSI Concrete, Add</i>	11.64
		<i>For 4,500 PSI Concrete, Add</i>	13.54
		<i>For 5,000 PSI Concrete, Add</i>	15.43
		<i>For 6,000 PSI Concrete, Add</i>	36.55
		<i>For 7,500 PSI Concrete, Add</i>	90.76
		<i>For White Cement Concrete, Add</i>	16.24
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.60
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.54
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	40.61
		<i>For Up To 20, Add</i>	14.99
		<i>For >20 To 50, Add</i>	5.62
		<i>For >100 To 200, Deduct</i>	-3.46
		<i>For >200 To 400, Deduct</i>	-6.91
		<i>For >400, Deduct</i>	-10.37
03 31 13 00-0020		Place Concrete Spread Footings (03 31 13 00-0011)	
03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	265.91
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.75
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.37
		<i>For 3,500 PSI Concrete, Add</i>	6.25
		<i>For 3,750 PSI Concrete, Add</i>	8.50
		<i>For 4,000 PSI Concrete, Add</i>	10.75
		<i>For 4,500 PSI Concrete, Add</i>	12.50
		<i>For 5,000 PSI Concrete, Add</i>	14.24
		<i>For 6,000 PSI Concrete, Add</i>	33.74
		<i>For 7,500 PSI Concrete, Add</i>	83.78
		<i>For White Cement Concrete, Add</i>	14.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.24
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.50
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	37.49
		<i>For Up To 20, Add</i>	56.38
		<i>For >20 To 50, Add</i>	21.14
		<i>For >100 To 200, Deduct</i>	-5.32
		<i>For >200 To 400, Deduct</i>	-10.64
		<i>For >400, Deduct</i>	-15.95
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	191.33
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.75
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.37
		<i>For 3,500 PSI Concrete, Add</i>	6.25
		<i>For 3,750 PSI Concrete, Add</i>	8.50
		<i>For 4,000 PSI Concrete, Add</i>	10.75
		<i>For 4,500 PSI Concrete, Add</i>	12.50
		<i>For 5,000 PSI Concrete, Add</i>	14.24
		<i>For 6,000 PSI Concrete, Add</i>	33.74
		<i>For 7,500 PSI Concrete, Add</i>	83.78
		<i>For White Cement Concrete, Add</i>	14.99
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.24
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.50
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	37.49
		<i>For Up To 20, Add</i>	26.55
		<i>For >20 To 50, Add</i>	9.96
		<i>For >100 To 200, Deduct</i>	-3.83
		<i>For >200 To 400, Deduct</i>	-7.65
		<i>For >400, Deduct</i>	-11.48



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	198.58	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	25.29	
For >20 To 50, Add	9.48	
For >100 To 200, Deduct	-3.97	
For >200 To 400, Deduct	-7.94	
For >400, Deduct	-11.91	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	150.01	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	10.02	
For >20 To 50, Add	3.76	
For >100 To 200, Deduct	-3.00	
For >200 To 400, Deduct	-6.00	
For >400, Deduct	-9.00	
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	136.75	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	4.72	
For >20 To 50, Add	1.77	
For >100 To 200, Deduct	-2.74	
For >200 To 400, Deduct	-5.47	
For >400, Deduct	-8.21	
03 31 13 00-0027 CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	145.19	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	3.93	
For >20 To 50, Add	1.47	
For >100 To 200, Deduct	-2.90	
For >200 To 400, Deduct	-5.81	
For >400, Deduct	-8.71	
03 31 13 00-0028 Place Concrete Grade Beams (03 31 13 00-0011)		

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	191.77
	For 2,000 PSI Concrete, Deduct	-6.75
	For 2,500 PSI Concrete, Deduct	-3.37
	For 3,500 PSI Concrete, Add	6.25
	For 3,750 PSI Concrete, Add	8.50
	For 4,000 PSI Concrete, Add	10.75
	For 4,500 PSI Concrete, Add	12.50
	For 5,000 PSI Concrete, Add	14.24
	For 6,000 PSI Concrete, Add	33.74
	For 7,500 PSI Concrete, Add	83.78
	For White Cement Concrete, Add	14.99
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
	For High Early Strength, Type 3 ASTM C150, Add	12.50
	For Lightweight Aggregate, ASTM C330, Add	37.49
	For Up To 20, Add	26.73
	For >20 To 50, Add	10.02
	For >100 To 200, Deduct	-3.84
	For >200 To 400, Deduct	-7.67
	For >400, Deduct	-11.51
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams	156.42
	For 2,000 PSI Concrete, Deduct	-6.75
	For 2,500 PSI Concrete, Deduct	-3.37
	For 3,500 PSI Concrete, Add	6.25
	For 3,750 PSI Concrete, Add	8.50
	For 4,000 PSI Concrete, Add	10.75
	For 4,500 PSI Concrete, Add	12.50
	For 5,000 PSI Concrete, Add	14.24
	For 6,000 PSI Concrete, Add	33.74
	For 7,500 PSI Concrete, Add	83.78
	For White Cement Concrete, Add	14.99
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
	For High Early Strength, Type 3 ASTM C150, Add	12.50
	For Lightweight Aggregate, ASTM C330, Add	37.49
	For Up To 20, Add	12.59
	For >20 To 50, Add	4.72
	For >100 To 200, Deduct	-3.13
	For >200 To 400, Deduct	-6.26
	For >400, Deduct	-9.39
03 31 13 00-0031	CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams	165.34
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-7.31
	For 2,500 PSI Concrete, Deduct	-3.65
	For 3,500 PSI Concrete, Add	6.77
	For 3,750 PSI Concrete, Add	9.20
	For 4,000 PSI Concrete, Add	11.64
	For 4,500 PSI Concrete, Add	13.54
	For 5,000 PSI Concrete, Add	15.43
	For 6,000 PSI Concrete, Add	36.55
	For 7,500 PSI Concrete, Add	90.76
	For White Cement Concrete, Add	16.24
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60
	For High Early Strength, Type 3 ASTM C150, Add	13.54
	For Lightweight Aggregate, ASTM C330, Add	40.61
	For Up To 20, Add	11.99
	For >20 To 50, Add	4.50
	For >100 To 200, Deduct	-3.31
	For >200 To 400, Deduct	-6.61
	For >400, Deduct	-9.92
03 31 13 00-0032	Place Concrete Slab On Grade <small>(03 31 13 00-0011)</small>	193.35
03 31 13 00-0033	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	193.35
	For 2,000 PSI Concrete, Deduct	-6.75
	For 2,500 PSI Concrete, Deduct	-3.37
	For 3,500 PSI Concrete, Add	6.25
	For 3,750 PSI Concrete, Add	8.50
	For 4,000 PSI Concrete, Add	10.75
	For 4,500 PSI Concrete, Add	12.50
	For 5,000 PSI Concrete, Add	14.24
	For 6,000 PSI Concrete, Add	33.74
	For 7,500 PSI Concrete, Add	83.78
	For White Cement Concrete, Add	14.99
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
	For High Early Strength, Type 3 ASTM C150, Add	12.50
	For Lightweight Aggregate, ASTM C330, Add	37.49
	For Up To 20, Add	27.36
	For >20 To 50, Add	10.26
	For >100 To 200, Deduct	-3.87
	For >200 To 400, Deduct	-7.73
	For >400, Deduct	-11.60



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	176.85	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	20.76	
For >20 To 50, Add	7.79	
For >100 To 200, Deduct	-3.54	
For >200 To 400, Deduct	-7.07	
For >400, Deduct	-10.61	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	157.16	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	12.88	
For >20 To 50, Add	4.83	
For >100 To 200, Deduct	-3.14	
For >200 To 400, Deduct	-6.29	
For >400, Deduct	-9.43	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	149.39	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	9.78	
For >20 To 50, Add	3.67	
For >100 To 200, Deduct	-2.99	
For >200 To 400, Deduct	-5.98	
For >400, Deduct	-8.96	
03 31 13 00-0037 CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	162.20	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	10.74	
For >20 To 50, Add	4.03	
For >100 To 200, Deduct	-3.24	
For >200 To 400, Deduct	-6.49	
For >400, Deduct	-9.73	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	155.72	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.31	
			For 2,500 PSI Concrete, Deduct	-3.65	
			For 3,500 PSI Concrete, Add	6.77	
			For 3,750 PSI Concrete, Add	9.20	
			For 4,000 PSI Concrete, Add	11.64	
			For 4,500 PSI Concrete, Add	13.54	
			For 5,000 PSI Concrete, Add	15.43	
			For 6,000 PSI Concrete, Add	36.55	
			For 7,500 PSI Concrete, Add	90.76	
			For White Cement Concrete, Add	16.24	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
			For High Early Strength, Type 3 ASTM C150, Add	13.54	
			For Lightweight Aggregate, ASTM C330, Add	40.61	
			For Up To 20, Add	8.14	
			For >20 To 50, Add	3.05	
			For >100 To 200, Deduct	-3.11	
			For >200 To 400, Deduct	-6.23	
			For >400, Deduct	-9.34	
03 31	13 00-0039		Place Concrete Duct Bank (03 31 13 00-0011)		
03 31	13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	151.60	
			For 2,000 PSI Concrete, Deduct	-6.75	
			For 2,500 PSI Concrete, Deduct	-3.37	
			For 3,500 PSI Concrete, Add	6.25	
			For 3,750 PSI Concrete, Add	8.50	
			For 4,000 PSI Concrete, Add	10.75	
			For 4,500 PSI Concrete, Add	12.50	
			For 5,000 PSI Concrete, Add	14.24	
			For 6,000 PSI Concrete, Add	33.74	
			For 7,500 PSI Concrete, Add	83.78	
			For White Cement Concrete, Add	14.99	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
			For High Early Strength, Type 3 ASTM C150, Add	12.50	
			For Lightweight Aggregate, ASTM C330, Add	37.49	
			For Up To 20, Add	10.66	
			For >20 To 50, Add	4.00	
			For >100 To 200, Deduct	-3.03	
			For >200 To 400, Deduct	-6.06	
			For >400, Deduct	-9.10	
03 31	13 00-0041		Place Concrete Stairs (03 31 13 00-0011)		
03 31	13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	432.69	
			For 2,000 PSI Concrete, Deduct	-6.75	
			For 2,500 PSI Concrete, Deduct	-3.37	
			For 3,500 PSI Concrete, Add	6.25	
			For 3,750 PSI Concrete, Add	8.50	
			For 4,000 PSI Concrete, Add	10.75	
			For 4,500 PSI Concrete, Add	12.50	
			For 5,000 PSI Concrete, Add	14.24	
			For 6,000 PSI Concrete, Add	33.74	
			For 7,500 PSI Concrete, Add	83.78	
			For White Cement Concrete, Add	14.99	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
			For High Early Strength, Type 3 ASTM C150, Add	12.50	
			For Lightweight Aggregate, ASTM C330, Add	37.49	
			For Up To 20, Add	123.10	
			For >20 To 50, Add	46.16	
			For >100 To 200, Deduct	-8.65	
			For >200 To 400, Deduct	-17.31	
			For >400, Deduct	-25.96	
03 31	13 00-0043	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	269.89	
			For 2,000 PSI Concrete, Deduct	-6.75	
			For 2,500 PSI Concrete, Deduct	-3.37	
			For 3,500 PSI Concrete, Add	6.25	
			For 3,750 PSI Concrete, Add	8.50	
			For 4,000 PSI Concrete, Add	10.75	
			For 4,500 PSI Concrete, Add	12.50	
			For 5,000 PSI Concrete, Add	14.24	
			For 6,000 PSI Concrete, Add	33.74	
			For 7,500 PSI Concrete, Add	83.78	
			For White Cement Concrete, Add	14.99	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
			For High Early Strength, Type 3 ASTM C150, Add	12.50	
			For Lightweight Aggregate, ASTM C330, Add	37.49	
			For Up To 20, Add	57.98	
			For >20 To 50, Add	21.74	
			For >100 To 200, Deduct	-5.40	
			For >200 To 400, Deduct	-10.80	
			For >400, Deduct	-16.19	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs .....256.15 Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	48.32	
For >20 To 50, Add	18.12	
For >100 To 200, Deduct	-5.12	
For >200 To 400, Deduct	-10.25	
For >400, Deduct	-15.37	
03 31 13 00-0045 Place Concrete Thrust Blocks And Backfill (03 31 13 00-0011)		
03 31 13 00-0046 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks .....195.76		
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
03 31 13 00-0047 Place Concrete Slurry (03 31 13 00-0011)		
Note: 2 bag cement per CY.		
03 31 13 00-0048 CY Direct Chute, Place 1,200 PSI Concrete Slurry .....180.14		
03 31 13 00-0049 CY Concrete Pump, Place 1,200 PSI Concrete Slurry.....168.31		
Note: Excludes pumping equipment.		
03 31 13 00-0050 Hand Mix And Place Concrete (03 31 13 00-0011)		
03 31 13 00-0051 CF Hand Mix And Place Concrete .....27.31		
Note: For use where conventional equipment access is limited or when directed by the owner.		
For 2,000 PSI Concrete, Deduct	-0.29	
For 2,500 PSI Concrete, Deduct	-0.14	
For 3,500 PSI Concrete, Add	0.27	
03 31 13 00-0052 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 31 13 00-0088 for concrete pump truck.		
03 31 13 00-0053 Place Elevated Concrete Beams (03 31 13 00-0052)		
03 31 13 00-0054 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams .....292.02		
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	66.83	
For >20 To 50, Add	25.06	
For >100 To 200, Deduct	-5.84	
For >200 To 400, Deduct	-11.68	
For >400, Deduct	-17.52	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0055	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	210.29
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.31
		For 2,500 PSI Concrete, Deduct	-3.65
		For 3,500 PSI Concrete, Add	6.77
		For 3,750 PSI Concrete, Add	9.20
		For 4,000 PSI Concrete, Add	11.64
		For 4,500 PSI Concrete, Add	13.54
		For 5,000 PSI Concrete, Add	15.43
		For 6,000 PSI Concrete, Add	36.55
		For 7,500 PSI Concrete, Add	90.76
		For White Cement Concrete, Add	16.24
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60
		For High Early Strength, Type 3 ASTM C150, Add	13.54
		For Lightweight Aggregate, ASTM C330, Add	40.61
		For Up To 20, Add	29.97
		For >20 To 50, Add	11.24
		For >100 To 200, Deduct	-4.21
		For >200 To 400, Deduct	-8.41
		For >400, Deduct	-12.62

03 31 13 00-0056 Place Elevated Concrete Slab (03 31 13 00-0052)

03 31 13 00-0057	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	203.60
		For 2,000 PSI Concrete, Deduct	-6.75
		For 2,500 PSI Concrete, Deduct	-3.37
		For 3,500 PSI Concrete, Add	6.25
		For 3,750 PSI Concrete, Add	8.50
		For 4,000 PSI Concrete, Add	10.75
		For 4,500 PSI Concrete, Add	12.50
		For 5,000 PSI Concrete, Add	14.24
		For 6,000 PSI Concrete, Add	33.74
		For 7,500 PSI Concrete, Add	83.78
		For White Cement Concrete, Add	14.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
		For High Early Strength, Type 3 ASTM C150, Add	12.50
		For Lightweight Aggregate, ASTM C330, Add	37.49
		For Up To 20, Add	31.46
		For >20 To 50, Add	11.80
		For >100 To 200, Deduct	-4.07
		For >200 To 400, Deduct	-8.14
		For >400, Deduct	-12.22
03 31 13 00-0058	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	184.63
		For 2,000 PSI Concrete, Deduct	-6.75
		For 2,500 PSI Concrete, Deduct	-3.37
		For 3,500 PSI Concrete, Add	6.25
		For 3,750 PSI Concrete, Add	8.50
		For 4,000 PSI Concrete, Add	10.75
		For 4,500 PSI Concrete, Add	12.50
		For 5,000 PSI Concrete, Add	14.24
		For 6,000 PSI Concrete, Add	33.74
		For 7,500 PSI Concrete, Add	83.78
		For White Cement Concrete, Add	14.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
		For High Early Strength, Type 3 ASTM C150, Add	12.50
		For Lightweight Aggregate, ASTM C330, Add	37.49
		For Up To 20, Add	23.87
		For >20 To 50, Add	8.95
		For >100 To 200, Deduct	-3.69
		For >200 To 400, Deduct	-7.39
		For >400, Deduct	-11.08
03 31 13 00-0059	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	170.63
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.31
		For 2,500 PSI Concrete, Deduct	-3.65
		For 3,500 PSI Concrete, Add	6.77
		For 3,750 PSI Concrete, Add	9.20
		For 4,000 PSI Concrete, Add	11.64
		For 4,500 PSI Concrete, Add	13.54
		For 5,000 PSI Concrete, Add	15.43
		For 6,000 PSI Concrete, Add	36.55
		For 7,500 PSI Concrete, Add	90.76
		For White Cement Concrete, Add	16.24
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60
		For High Early Strength, Type 3 ASTM C150, Add	13.54
		For Lightweight Aggregate, ASTM C330, Add	40.61
		For Up To 20, Add	14.11
		For >20 To 50, Add	5.29
		For >100 To 200, Deduct	-3.41
		For >200 To 400, Deduct	-6.83
		For >400, Deduct	-10.24



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0060 CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	162.13	
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	10.71	
For >20 To 50, Add	4.02	
For >100 To 200, Deduct	-3.24	
For >200 To 400, Deduct	-6.49	
For >400, Deduct	-9.73	
03 31 13 00-0061 Place Concrete Columns (03 31 13 00-0052)		
03 31 13 00-0062 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	305.38	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	72.17	
For >20 To 50, Add	27.06	
For >100 To 200, Deduct	-6.11	
For >200 To 400, Deduct	-12.22	
For >400, Deduct	-18.32	
03 31 13 00-0063 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	256.09	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	52.46	
For >20 To 50, Add	19.67	
For >100 To 200, Deduct	-5.12	
For >200 To 400, Deduct	-10.24	
For >400, Deduct	-15.37	
03 31 13 00-0064 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	220.84	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	38.36	
For >20 To 50, Add	14.38	
For >100 To 200, Deduct	-4.42	
For >200 To 400, Deduct	-8.83	
For >400, Deduct	-13.25	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31	13 00-0065	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	205.14	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.75	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.37	
			<i>For 3,500 PSI Concrete, Add</i>	6.25	
			<i>For 3,750 PSI Concrete, Add</i>	8.50	
			<i>For 4,000 PSI Concrete, Add</i>	10.75	
			<i>For 4,500 PSI Concrete, Add</i>	12.50	
			<i>For 5,000 PSI Concrete, Add</i>	14.24	
			<i>For 6,000 PSI Concrete, Add</i>	33.74	
			<i>For 7,500 PSI Concrete, Add</i>	83.78	
			<i>For White Cement Concrete, Add</i>	14.99	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	16.24	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.50	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	37.49	
			<i>For Up To 20, Add</i>	32.08	
			<i>For >20 To 50, Add</i>	12.03	
			<i>For >100 To 200, Deduct</i>	-4.10	
			<i>For >200 To 400, Deduct</i>	-8.21	
			<i>For >400, Deduct</i>	-12.31	
03 31	13 00-0066	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	216.29	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.31	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.65	
			<i>For 3,500 PSI Concrete, Add</i>	6.77	
			<i>For 3,750 PSI Concrete, Add</i>	9.20	
			<i>For 4,000 PSI Concrete, Add</i>	11.64	
			<i>For 4,500 PSI Concrete, Add</i>	13.54	
			<i>For 5,000 PSI Concrete, Add</i>	15.43	
			<i>For 6,000 PSI Concrete, Add</i>	36.55	
			<i>For 7,500 PSI Concrete, Add</i>	90.76	
			<i>For White Cement Concrete, Add</i>	16.24	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.60	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.54	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	40.61	
			<i>For Up To 20, Add</i>	32.37	
			<i>For >20 To 50, Add</i>	12.14	
			<i>For >100 To 200, Deduct</i>	-4.33	
			<i>For >200 To 400, Deduct</i>	-8.65	
			<i>For >400, Deduct</i>	-12.98	
03 31	13 00-0067	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	194.18	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.31	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.65	
			<i>For 3,500 PSI Concrete, Add</i>	6.77	
			<i>For 3,750 PSI Concrete, Add</i>	9.20	
			<i>For 4,000 PSI Concrete, Add</i>	11.64	
			<i>For 4,500 PSI Concrete, Add</i>	13.54	
			<i>For 5,000 PSI Concrete, Add</i>	15.43	
			<i>For 6,000 PSI Concrete, Add</i>	36.55	
			<i>For 7,500 PSI Concrete, Add</i>	90.76	
			<i>For White Cement Concrete, Add</i>	16.24	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.60	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.54	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	40.61	
			<i>For Up To 20, Add</i>	23.53	
			<i>For >20 To 50, Add</i>	8.82	
			<i>For >100 To 200, Deduct</i>	-3.88	
			<i>For >200 To 400, Deduct</i>	-7.77	
			<i>For >400, Deduct</i>	-11.65	
03 31	13 00-0068	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	178.37	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.31	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.65	
			<i>For 3,500 PSI Concrete, Add</i>	6.77	
			<i>For 3,750 PSI Concrete, Add</i>	9.20	
			<i>For 4,000 PSI Concrete, Add</i>	11.64	
			<i>For 4,500 PSI Concrete, Add</i>	13.54	
			<i>For 5,000 PSI Concrete, Add</i>	15.43	
			<i>For 6,000 PSI Concrete, Add</i>	36.55	
			<i>For 7,500 PSI Concrete, Add</i>	90.76	
			<i>For White Cement Concrete, Add</i>	16.24	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.60	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.54	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	40.61	
			<i>For Up To 20, Add</i>	17.20	
			<i>For >20 To 50, Add</i>	6.45	
			<i>For >100 To 200, Deduct</i>	-3.57	
			<i>For >200 To 400, Deduct</i>	-7.13	
			<i>For >400, Deduct</i>	-10.70	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0069 CY 36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....171.33 Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	14.39	
For >20 To 50, Add	5.40	
For >100 To 200, Deduct	-3.43	
For >200 To 400, Deduct	-6.85	
For >400, Deduct	-10.28	
03 31 13 00-0070 Place Concrete Walls (03 31 13 00-0052)		
03 31 13 00-0071 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....294.10		
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	67.66	
For >20 To 50, Add	25.37	
For >100 To 200, Deduct	-5.88	
For >200 To 400, Deduct	-11.76	
For >400, Deduct	-17.65	
03 31 13 00-0072 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....280.08		
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	62.05	
For >20 To 50, Add	23.27	
For >100 To 200, Deduct	-5.60	
For >200 To 400, Deduct	-11.20	
For >400, Deduct	-16.80	
03 31 13 00-0073 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....243.36		
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	47.36	
For >20 To 50, Add	17.76	
For >100 To 200, Deduct	-4.87	
For >200 To 400, Deduct	-9.73	
For >400, Deduct	-14.60	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0074	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	204.61	
			For 2,000 PSI Concrete, Deduct	-6.75	
			For 2,500 PSI Concrete, Deduct	-3.37	
			For 3,500 PSI Concrete, Add	6.25	
			For 3,750 PSI Concrete, Add	8.50	
			For 4,000 PSI Concrete, Add	10.75	
			For 4,500 PSI Concrete, Add	12.50	
			For 5,000 PSI Concrete, Add	14.24	
			For 6,000 PSI Concrete, Add	33.74	
			For 7,500 PSI Concrete, Add	83.78	
			For White Cement Concrete, Add	14.99	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
			For High Early Strength, Type 3 ASTM C150, Add	12.50	
			For Lightweight Aggregate, ASTM C330, Add	37.49	
			For Up To 20, Add	31.86	
			For >20 To 50, Add	11.95	
			For >100 To 200, Deduct	-4.09	
			For >200 To 400, Deduct	-8.18	
			For >400, Deduct	-12.28	
03 31	13 00-0075	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	188.67	
			For 2,000 PSI Concrete, Deduct	-6.75	
			For 2,500 PSI Concrete, Deduct	-3.37	
			For 3,500 PSI Concrete, Add	6.25	
			For 3,750 PSI Concrete, Add	8.50	
			For 4,000 PSI Concrete, Add	10.75	
			For 4,500 PSI Concrete, Add	12.50	
			For 5,000 PSI Concrete, Add	14.24	
			For 6,000 PSI Concrete, Add	33.74	
			For 7,500 PSI Concrete, Add	83.78	
			For White Cement Concrete, Add	14.99	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
			For High Early Strength, Type 3 ASTM C150, Add	12.50	
			For Lightweight Aggregate, ASTM C330, Add	37.49	
			For Up To 20, Add	25.49	
			For >20 To 50, Add	9.56	
			For >100 To 200, Deduct	-3.77	
			For >200 To 400, Deduct	-7.55	
			For >400, Deduct	-11.32	
03 31	13 00-0076	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	180.71	
			For 2,000 PSI Concrete, Deduct	-6.75	
			For 2,500 PSI Concrete, Deduct	-3.37	
			For 3,500 PSI Concrete, Add	6.25	
			For 3,750 PSI Concrete, Add	8.50	
			For 4,000 PSI Concrete, Add	10.75	
			For 4,500 PSI Concrete, Add	12.50	
			For 5,000 PSI Concrete, Add	14.24	
			For 6,000 PSI Concrete, Add	33.74	
			For 7,500 PSI Concrete, Add	83.78	
			For White Cement Concrete, Add	14.99	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
			For High Early Strength, Type 3 ASTM C150, Add	12.50	
			For Lightweight Aggregate, ASTM C330, Add	37.49	
			For Up To 20, Add	22.30	
			For >20 To 50, Add	8.36	
			For >100 To 200, Deduct	-3.61	
			For >200 To 400, Deduct	-7.23	
			For >400, Deduct	-10.84	
03 31	13 00-0077	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	211.23	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.31	
			For 2,500 PSI Concrete, Deduct	-3.65	
			For 3,500 PSI Concrete, Add	6.77	
			For 3,750 PSI Concrete, Add	9.20	
			For 4,000 PSI Concrete, Add	11.64	
			For 4,500 PSI Concrete, Add	13.54	
			For 5,000 PSI Concrete, Add	15.43	
			For 6,000 PSI Concrete, Add	36.55	
			For 7,500 PSI Concrete, Add	90.76	
			For White Cement Concrete, Add	16.24	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
			For High Early Strength, Type 3 ASTM C150, Add	13.54	
			For Lightweight Aggregate, ASTM C330, Add	40.61	
			For Up To 20, Add	30.35	
			For >20 To 50, Add	11.38	
			For >100 To 200, Deduct	-4.22	
			For >200 To 400, Deduct	-8.45	
			For >400, Deduct	-12.67	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078 CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	196.05	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	24.28	
For >20 To 50, Add	9.10	
For >100 To 200, Deduct	-3.92	
For >200 To 400, Deduct	-7.84	
For >400, Deduct	-11.76	
03 31 13 00-0079 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	188.47	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.31	
For 2,500 PSI Concrete, Deduct	-3.65	
For 3,500 PSI Concrete, Add	6.77	
For 3,750 PSI Concrete, Add	9.20	
For 4,000 PSI Concrete, Add	11.64	
For 4,500 PSI Concrete, Add	13.54	
For 5,000 PSI Concrete, Add	15.43	
For 6,000 PSI Concrete, Add	36.55	
For 7,500 PSI Concrete, Add	90.76	
For White Cement Concrete, Add	16.24	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60	
For High Early Strength, Type 3 ASTM C150, Add	13.54	
For Lightweight Aggregate, ASTM C330, Add	40.61	
For Up To 20, Add	21.24	
For >20 To 50, Add	7.97	
For >100 To 200, Deduct	-3.77	
For >200 To 400, Deduct	-7.54	
For >400, Deduct	-11.31	
03 31 13 00-0080 Place Elevated Concrete Stairs (03 31 13 00-0052)		
03 31 13 00-0081 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	466.91	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	136.78	
For >20 To 50, Add	51.29	
For >100 To 200, Deduct	-9.34	
For >200 To 400, Deduct	-18.68	
For >400, Deduct	-28.01	
03 31 13 00-0082 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	285.98	
For 2,000 PSI Concrete, Deduct	-6.75	
For 2,500 PSI Concrete, Deduct	-3.37	
For 3,500 PSI Concrete, Add	6.25	
For 3,750 PSI Concrete, Add	8.50	
For 4,000 PSI Concrete, Add	10.75	
For 4,500 PSI Concrete, Add	12.50	
For 5,000 PSI Concrete, Add	14.24	
For 6,000 PSI Concrete, Add	33.74	
For 7,500 PSI Concrete, Add	83.78	
For White Cement Concrete, Add	14.99	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24	
For High Early Strength, Type 3 ASTM C150, Add	12.50	
For Lightweight Aggregate, ASTM C330, Add	37.49	
For Up To 20, Add	64.41	
For >20 To 50, Add	24.15	
For >100 To 200, Deduct	-5.72	
For >200 To 400, Deduct	-11.44	
For >400, Deduct	-17.16	

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0083	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	269.55
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.31
		For 2,500 PSI Concrete, Deduct	-3.65
		For 3,500 PSI Concrete, Add	6.77
		For 3,750 PSI Concrete, Add	9.20
		For 4,000 PSI Concrete, Add	11.64
		For 4,500 PSI Concrete, Add	13.54
		For 5,000 PSI Concrete, Add	15.43
		For 6,000 PSI Concrete, Add	36.55
		For 7,500 PSI Concrete, Add	90.76
		For White Cement Concrete, Add	16.24
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60
		For High Early Strength, Type 3 ASTM C150, Add	13.54
		For Lightweight Aggregate, ASTM C330, Add	40.61
		For Up To 20, Add	53.68
		For >20 To 50, Add	20.13
		For >100 To 200, Deduct	-5.39
		For >200 To 400, Deduct	-10.78
		For >400, Deduct	-16.17

03 31 13 00-0084 Place Concrete Coping (03 31 13 00-0052)

03 31 13 00-0085	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping.....	478.74
		For 2,000 PSI Concrete, Deduct	-6.75
		For 2,500 PSI Concrete, Deduct	-3.37
		For 3,500 PSI Concrete, Add	6.25
		For 3,750 PSI Concrete, Add	8.50
		For 4,000 PSI Concrete, Add	10.75
		For 4,500 PSI Concrete, Add	12.50
		For 5,000 PSI Concrete, Add	14.24
		For 6,000 PSI Concrete, Add	33.74
		For 7,500 PSI Concrete, Add	83.78
		For White Cement Concrete, Add	14.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
		For High Early Strength, Type 3 ASTM C150, Add	12.50
		For Lightweight Aggregate, ASTM C330, Add	37.49
		For Up To 20, Add	141.52
		For >20 To 50, Add	53.07
		For >100 To 200, Deduct	-9.57
		For >200 To 400, Deduct	-19.15
		For >400, Deduct	-28.72
03 31 13 00-0086	CY	Direct Chute, Place 3,000 PSI Concrete Coping.....	284.90
		For 2,000 PSI Concrete, Deduct	-6.75
		For 2,500 PSI Concrete, Deduct	-3.37
		For 3,500 PSI Concrete, Add	6.25
		For 3,750 PSI Concrete, Add	8.50
		For 4,000 PSI Concrete, Add	10.75
		For 4,500 PSI Concrete, Add	12.50
		For 5,000 PSI Concrete, Add	14.24
		For 6,000 PSI Concrete, Add	33.74
		For 7,500 PSI Concrete, Add	83.78
		For White Cement Concrete, Add	14.99
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	16.24
		For High Early Strength, Type 3 ASTM C150, Add	12.50
		For Lightweight Aggregate, ASTM C330, Add	37.49
		For Up To 20, Add	63.98
		For >20 To 50, Add	23.99
		For >100 To 200, Deduct	-5.70
		For >200 To 400, Deduct	-11.40
		For >400, Deduct	-17.09
03 31 13 00-0087	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	377.63
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.31
		For 2,500 PSI Concrete, Deduct	-3.65
		For 3,500 PSI Concrete, Add	6.77
		For 3,750 PSI Concrete, Add	9.20
		For 4,000 PSI Concrete, Add	11.64
		For 4,500 PSI Concrete, Add	13.54
		For 5,000 PSI Concrete, Add	15.43
		For 6,000 PSI Concrete, Add	36.55
		For 7,500 PSI Concrete, Add	90.76
		For White Cement Concrete, Add	16.24
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.60
		For High Early Strength, Type 3 ASTM C150, Add	13.54
		For Lightweight Aggregate, ASTM C330, Add	40.61
		For Up To 20, Add	96.91
		For >20 To 50, Add	36.34
		For >100 To 200, Deduct	-7.55
		For >200 To 400, Deduct	-15.11
		For >400, Deduct	-22.66



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0088 Concrete Pumping With Boom Truck (03 31 13 00-0010)
 Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.

03 31 13 00-0089	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	150.03
03 31 13 00-0090	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	164.21
		<i>For Each CY Of Concrete Pumped, Add</i>	1.25
03 31 13 00-0091	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	198.98
		<i>For Each CY Of Concrete Pumped, Add</i>	1.50
03 31 13 00-0092	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	232.60
		<i>For Each CY Of Concrete Pumped, Add</i>	1.50
03 31 13 00-0093	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	282.12
		<i>For Each CY Of Concrete Pumped, Add</i>	1.75
03 31 13 00-0094	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	254.39
03 31 13 00-0095	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	370.05
03 31 13 00-0096	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	452.57
		<i>For Each CY Of Concrete Pumped, Add</i>	2.25
03 31 13 00-0097	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	121.25

Note: Includes hoses

03 31 13 00-0098 Concrete Carts (03 31 13 00-0010)
 Note: Used to place concrete were necessary.

03 31 13 00-0099	CY	50' Haul, Non Motorized, Concrete Buggy	19.63
03 31 13 00-0100	CY	150' Haul, Non Motorized, Concrete Buggy	26.28
03 31 13 00-0101	CY	250' Haul, Non Motorized, Concrete Buggy	35.05
03 31 13 00-0102	CY	50' Haul, Motorized, Concrete Buggy	9.61
03 31 13 00-0103	CY	150' Haul, Motorized, Concrete Buggy	12.88
03 31 13 00-0104	CY	250' Haul, Motorized, Concrete Buggy	17.16

03 31 13 00-0105 Delivery Fee For Small Purchases (03 31 13)

03 31 13 00-0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY	16.62
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Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.

03 31 13 00-0107 Delivery Fee For Concrete, Per Truck Load (03 31 13)

03 31 13 00-0108	EA	Concrete Delivery Fee, Per Truck	40.00
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Note: To be added to all concrete leaving concrete yard

03 31 13 00-0109 Equipment Pads (03 31 13)

03 31 13 00-0110 Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0109)
 Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.

03 31 13 00-0111	SF	4" Equipment Pad With Welded Wire Reinforcement	13.59
03 31 13 00-0112	SF	4" Equipment Pad With Rebar	16.70
03 31 13 00-0113	SF	6" Equipment Pad With Rebar	21.09
03 31 13 00-0114	SF	8" Equipment Pad With Rebar	26.56

03 35 Concrete Finishing (03 30)

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)

03 35 16 00-0001 Floor Finishes (03 35 16)
 Note: Task is for final finish type and includes all required prior finishes.

03 35 16 00-0002	SF	Screed, Concrete Floor Finish	0.74
		<i>For Up To 100, Add</i>	1.48
		<i>For >100 To 250, Add</i>	0.37
		<i>For >250 To 500, Add</i>	0.19
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000, Deduct</i>	-0.07
03 35 16 00-0003	SF	Darby, Concrete Floor Finish	0.88
		<i>For Up To 100, Add</i>	1.76
		<i>For >100 To 250, Add</i>	0.44
		<i>For >250 To 500, Add</i>	0.22
		<i>For >5,000 To 10,000, Deduct</i>	-0.04
		<i>For >10,000, Deduct</i>	-0.09
03 35 16 00-0004	SF	Broom, Concrete Floor Finish	0.98
		<i>For Up To 100, Add</i>	1.96
		<i>For >100 To 250, Add</i>	0.49
		<i>For >250 To 500, Add</i>	0.25
		<i>For >5,000 To 10,000, Deduct</i>	-0.05
		<i>For >10,000, Deduct</i>	-0.10

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 16 00-0005 SF Final Float, Concrete Floor Finish	1.14	
For Up To 100, Add	2.28	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.11	
03 35 16 00-0006 SF Steel Trowel, Concrete Floor Finish	1.29	
For Up To 100, Add	2.58	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.32	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.13	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish	2.13	
03 35 26 Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	3.06	
03 35 29 Tooled Concrete Finishing (03 35)		
03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002 SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	11.70	
03 35 29 00-0003 Marblecrete Finishes (03 35 29)		
03 35 29 00-0004 SF 2" Thick Marblecrete And Finish	30.16	
03 35 29 00-0005 SF 4" Thick Marblecrete And Finish	40.42	
03 35 33 Stamped Concrete Finishing (03 35)		
03 35 33 00-0001 Stamped Finishes (03 35 33)		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Finish	2.92	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Finish	2.64	
03 35 33 00-0004 SF >10,000 SF Stamped Finish.....	2.52	
03 35 39 Rusticated Concrete Finish (03 35)		
03 35 39 00-0001 Rusticated Concrete Finish (03 35 39)		
03 35 39 00-0002 SF Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork	5.37	
03 35 39 00-0003 SF Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork	7.04	
03 35 63 Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.88	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.07	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	0.96	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.07	
03 35 66 Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001 Acid Etch Floor (03 35 66)		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse	0.74	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.03	
03 35 83 Wall Finishes (03 35)		
03 35 83 00-0001 Wall Finishes (03 35 83)		



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes.....	1.30	
For Up To 100, Add	2.46	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.31	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes	1.96	
For Up To 100, Add	3.70	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.46	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000, Deduct	-0.19	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes	0.81	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.04	
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....	3.95	
For Up To 100, Add	7.82	
For >100 To 250, Add	1.96	
For >250 To 500, Add	0.98	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000, Deduct	-0.39	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	6.12	
For Up To 100, Add	12.10	
For >100 To 250, Add	3.03	
For >250 To 500, Add	1.51	
For >5,000 To 10,000, Deduct	-0.30	
For >10,000, Deduct	-0.61	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes	0.75	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.17	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.07	
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes.....	2.56	
For Up To 100, Add	4.94	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.62	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000, Deduct	-0.25	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes	3.89	
For Up To 100, Add	7.60	
For >100 To 250, Add	1.90	
For >250 To 500, Add	0.95	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000, Deduct	-0.38	
03 35 83 00-0010 SF Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	2.47	
For Up To 100, Add	4.26	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.53	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000, Deduct	-0.21	
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	6.91	
For Up To 100, Add	12.44	
For >100 To 250, Add	3.11	
For >250 To 500, Add	1.56	
For >5,000 To 10,000, Deduct	-0.31	
For >10,000, Deduct	-0.62	

03 37 Specialty Placed Concrete (03 30)

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

03 37 13 Shotcrete (03 37)

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

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	3.88	
For Up To 25, Add	0.61	
For >25 To 50, Add	0.34	
For >50 To 150, Add	0.11	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	7.46	
For Up To 25, Add	1.15	
For >25 To 50, Add	0.64	
For >50 To 150, Add	0.20	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	10.80	
For Up To 25, Add	1.62	
For >25 To 50, Add	0.90	
For >50 To 150, Add	0.27	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	13.92	
For Up To 25, Add	2.04	
For >25 To 50, Add	1.13	
For >50 To 150, Add	0.32	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	19.64	
For Up To 25, Add	2.75	
For >25 To 50, Add	1.51	
For >50 To 150, Add	0.39	
03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)		
See CSI section 03 22 11 00-0001 for wire mesh reinforcing.		
03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	3.68	
For Radius Or Irregular Surface, Add	0.82	
For Up To 25, Add	0.68	
For >25 To 50, Add	0.39	
For >50 To 150, Add	0.15	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	6.93	
For Radius Or Irregular Surface, Add	1.47	
For Up To 25, Add	1.24	
For >25 To 50, Add	0.71	
For >50 To 150, Add	0.28	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	9.85	
For Radius Or Irregular Surface, Add	1.98	
For Up To 25, Add	1.73	
For >25 To 50, Add	0.99	
For >50 To 150, Add	0.37	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	12.48	
For Radius Or Irregular Surface, Add	2.38	
For Up To 25, Add	2.14	
For >25 To 50, Add	1.22	
For >50 To 150, Add	0.45	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	14.85	
For Radius Or Irregular Surface, Add	2.68	
For Up To 25, Add	2.49	
For >25 To 50, Add	1.41	
For >50 To 150, Add	0.50	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	17.03	
For Radius Or Irregular Surface, Add	2.90	
For Up To 25, Add	2.79	
For >25 To 50, Add	1.58	
For >50 To 150, Add	0.54	
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	21.73	
For Radius Or Irregular Surface, Add	3.47	
For Up To 25, Add	3.48	
For >25 To 50, Add	1.95	
For >50 To 150, Add	0.65	
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	26.07	
For Radius Or Irregular Surface, Add	3.90	
For Up To 25, Add	4.07	
For >25 To 50, Add	2.28	
For >50 To 150, Add	0.73	
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	30.12	
For Radius Or Irregular Surface, Add	4.22	
For Up To 25, Add	4.59	
For >25 To 50, Add	2.56	
For >50 To 150, Add	0.79	
03 39 Concrete Curing (03 30)		
03 39 13 Water Concrete Curing (03 39)		
03 39 13 00-0001 Water Concrete Curing (03 39 13)		
03 39 13 00-0002 GAL Water Based Curing, Sealing, Hardening And Dustproofing Compound	18.76	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		
03 39 23 Membrane Concrete Curing (03 39)		
03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)		
03 39 23 23-0001 Concrete Curing Materials And Compounds (03 39 23 23)		
03 39 23 23-0002 CSF 7.5 Oz Burlap, Concrete Curing Blanket	30.73	
03 39 23 23-0003 CSF 9 Oz Burlap, Concrete Curing Blanket.....	30.35	
03 39 23 23-0004 CSF 12 Oz Burlap, Concrete Curing Blanket	32.91	
03 39 23 23-0005 CSF 2 Ply Reinforced, Concrete Curing Waterproof Paper.....	29.74	
03 39 23 23-0006 CSF Curing Paper.....	9.75	
03 39 33 Concrete Surface Treatments (03 39)		
03 39 33 00-0001 Concrete Surface Treatments (03 39 33)		
03 39 33 00-0002 GAL Acrylic Latex Bonding Agent, 250 SF Per Gallon.....	100.37	
03 39 33 00-0003 GAL Epoxy Resin Bonding Agent, 80 SF Per Gallon	169.73	
03 39 33 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproof.....	0.23	
Note: 300 SF/GAL.		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Curing	03 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 39 33 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofers.....	0.24	
Note: 300 SF/GAL.		
03 39 33 00-0006 GAL Clear Acrylic Sealer, Hardener And Dustproofers, 300 SF Per Gallon.....	68.59	
03 39 33 00-0007 GAL Colored Acrylic Sealer, Hardener And Dustproofers, 300 SF Per Gallon.....	71.25	
03 39 33 00-0008 Shake On Floor Hardeners (03 39 33)		
03 39 33 00-0009 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	0.92	
03 39 33 00-0010 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.42	
03 39 33 00-0011 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	0.87	
03 39 33 00-0012 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.05	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

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

03 41 16 00-0003 EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	267.30	213.86
03 41 16 00-0004 EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	297.14	237.67
03 41 16 00-0005 EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	315.52	252.40
03 41 16 00-0006 EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	334.49	267.60
03 41 16 00-0007 EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	357.96	286.35
03 41 16 00-0008 EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	382.57	306.06
03 41 16 00-0009 EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	410.82	328.63
03 41 16 00-0010 EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	446.80	357.42
03 41 16 00-0011 EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	485.80	388.69

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

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

03 41 16 00-0013 SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	10.44	
For 3,500 PSI Concrete, Add	0.21	
For 4,000 PSI Concrete, Add	0.31	
For 4,500 PSI Concrete, Add	0.42	
For 5,000 PSI Concrete, Add	0.63	
03 41 16 00-0014 SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	12.53	
For 3,500 PSI Concrete, Add	0.25	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.50	
For 5,000 PSI Concrete, Add	0.75	
03 41 16 00-0015 SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	15.31	
For 3,500 PSI Concrete, Add	0.31	
For 4,000 PSI Concrete, Add	0.46	
For 4,500 PSI Concrete, Add	0.61	
For 5,000 PSI Concrete, Add	0.92	
03 41 16 00-0016 SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	20.32	
For 3,500 PSI Concrete, Add	0.41	
For 4,000 PSI Concrete, Add	0.61	
For 4,500 PSI Concrete, Add	0.81	
For 5,000 PSI Concrete, Add	1.22	

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

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

03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane.....	331.02	264.81
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane.....	360.79	288.67
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane.....	398.77	318.98
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane.....	442.79	354.21
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane.....	497.74	398.15

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)

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

03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	416.96	333.59
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	454.46	363.54
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	502.29	401.87
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	557.75	446.22
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	626.96	501.62
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	681.69	545.32

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0031	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	753.45	602.76
03 41 16 00-0032	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	833.91	667.17
03 41 16 00-0033	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	943.88	755.11
03 41 16 00-0034			Material Cost <small>(03 41 16 00-0017)</small>		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035			4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036	CY		Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,099.52	
			<i>For 3,500 PSI Concrete, Add</i>	21.99	
			<i>For 4,000 PSI Concrete, Add</i>	32.99	
			<i>For 4,500 PSI Concrete, Add</i>	43.98	
			<i>For 5,000 PSI Concrete, Add</i>	65.97	
03 41 16 00-0037	CY		Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,113.44	
			<i>For 3,500 PSI Concrete, Add</i>	22.27	
			<i>For 4,000 PSI Concrete, Add</i>	33.40	
			<i>For 4,500 PSI Concrete, Add</i>	44.54	
			<i>For 5,000 PSI Concrete, Add</i>	66.81	
03 41 16 00-0038	CY		Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,252.62	
			<i>For 3,500 PSI Concrete, Add</i>	25.05	
			<i>For 4,000 PSI Concrete, Add</i>	37.58	
			<i>For 4,500 PSI Concrete, Add</i>	50.10	
			<i>For 5,000 PSI Concrete, Add</i>	75.16	
03 41 16 00-0039			5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040	CY		Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,127.36	
			<i>For 3,500 PSI Concrete, Add</i>	22.55	
			<i>For 4,000 PSI Concrete, Add</i>	33.82	
			<i>For 4,500 PSI Concrete, Add</i>	45.09	
			<i>For 5,000 PSI Concrete, Add</i>	67.64	
03 41 16 00-0041	CY		Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,169.11	
			<i>For 3,500 PSI Concrete, Add</i>	23.38	
			<i>For 4,000 PSI Concrete, Add</i>	35.07	
			<i>For 4,500 PSI Concrete, Add</i>	46.76	
			<i>For 5,000 PSI Concrete, Add</i>	70.15	
03 41 16 00-0042	CY		Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,489.23	
			<i>For 3,500 PSI Concrete, Add</i>	29.78	
			<i>For 4,000 PSI Concrete, Add</i>	44.68	
			<i>For 4,500 PSI Concrete, Add</i>	59.57	
			<i>For 5,000 PSI Concrete, Add</i>	89.35	
03 41 16 00-0043			6" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044	CY		Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,169.11	
			<i>For 3,500 PSI Concrete, Add</i>	23.38	
			<i>For 4,000 PSI Concrete, Add</i>	35.07	
			<i>For 4,500 PSI Concrete, Add</i>	46.76	
			<i>For 5,000 PSI Concrete, Add</i>	70.15	
03 41 16 00-0045	CY		Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,391.80	
			<i>For 3,500 PSI Concrete, Add</i>	27.84	
			<i>For 4,000 PSI Concrete, Add</i>	41.75	
			<i>For 4,500 PSI Concrete, Add</i>	55.67	
			<i>For 5,000 PSI Concrete, Add</i>	83.51	
03 41 16 00-0046	CY		Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,698.00	
			<i>For 3,500 PSI Concrete, Add</i>	33.96	
			<i>For 4,000 PSI Concrete, Add</i>	50.94	
			<i>For 4,500 PSI Concrete, Add</i>	67.92	
			<i>For 5,000 PSI Concrete, Add</i>	101.88	
03 41 19			Precast Concrete Wall Panels <small>(03 41)</small>		
03 41 19 00-0001			Structural Wall Panels <small>(03 41 19)</small>		
			Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002			Erection Cost Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0001)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA		Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	262.78	210.24
03 41 19 00-0004	EA		Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	292.12	233.64
03 41 19 00-0005	EA		Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	328.83	263.08
03 41 19 00-0006	EA		Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	351.90	281.51
03 41 19 00-0007	EA		Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	376.09	300.88
03 41 19 00-0008	EA		Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	403.86	323.06
03 41 19 00-0009	EA		Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	439.24	351.37
03 41 19 00-0010	EA		Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	477.58	382.12
03 41 19 00-0011			Erection Cost Using 90 Ton Crawler Crane <small>(03 41 19 00-0001)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA		Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	297.78	238.19



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	331.02	264.81
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	372.62	298.14
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	398.77	318.98
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	426.19	340.95
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	457.65	366.14
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	497.74	398.15
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	541.19	432.91
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	598.15	478.56
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	662.04	529.60
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	749.33	599.50
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	852.37	681.90
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	988.26	790.62

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

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

03 41 19 00-0026 SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	13.92	
For 3,500 PSI Concrete, Add	0.28	
For 4,000 PSI Concrete, Add	0.42	
For 4,500 PSI Concrete, Add	0.56	
For 5,000 PSI Concrete, Add	0.84	
For White Facing, Add	2.78	
For Solid White Through Thickness, Add	2.78	
For Broken Rib Finish, Add	1.39	
For Fluted Surface, Add	1.39	
For Exposed Aggregate, Add	2.78	
For Sandblasting Of Surface, Add	1.39	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.16	
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	17.12	
For 3,500 PSI Concrete, Add	0.34	
For 4,000 PSI Concrete, Add	0.51	
For 4,500 PSI Concrete, Add	0.68	
For 5,000 PSI Concrete, Add	1.03	
For White Facing, Add	3.42	
For Solid White Through Thickness, Add	3.42	
For Broken Rib Finish, Add	1.71	
For Fluted Surface, Add	1.71	
For Exposed Aggregate, Add	3.42	
For Sandblasting Of Surface, Add	1.71	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.20	
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	20.60	
For 3,500 PSI Concrete, Add	0.41	
For 4,000 PSI Concrete, Add	0.62	
For 4,500 PSI Concrete, Add	0.82	
For 5,000 PSI Concrete, Add	1.24	
For White Facing, Add	4.12	
For Solid White Through Thickness, Add	4.12	
For Broken Rib Finish, Add	2.06	
For Fluted Surface, Add	2.06	
For Exposed Aggregate, Add	4.12	
For Sandblasting Of Surface, Add	2.06	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.24	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	27.14	
For 3,500 PSI Concrete, Add	0.54	
For 4,000 PSI Concrete, Add	0.81	
For 4,500 PSI Concrete, Add	1.09	
For 5,000 PSI Concrete, Add	1.63	
For White Facing, Add	5.43	
For Solid White Through Thickness, Add	5.43	
For Broken Rib Finish, Add	2.71	
For Fluted Surface, Add	2.71	
For Exposed Aggregate, Add	5.43	
For Sandblasting Of Surface, Add	2.71	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.31	

03 41 19 00-0030 Partition Panels (03 41 19)

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)

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

03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	216.38	173.07
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	240.54	192.46
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	270.77	216.62
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	309.69	247.76
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	332.56	266.07
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	361.69	289.35
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	393.27	314.66
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	434.67	347.74

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 19 00-0040		Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.				
03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	262.78	210.24
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	292.12	233.64
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	328.83	263.08
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	376.09	300.88
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	403.86	323.06
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	439.24	351.37
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	477.58	382.12
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	527.85	422.26
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	584.22	467.39
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	661.27	528.98
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	752.19	601.75
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	872.10	697.65

03 41 19 00-0053		Material Cost <small>(03 41 19 00-0030)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.				
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	13.22	
		For 4,000 PSI Concrete, Add	0.40	
		For 4,500 PSI Concrete, Add	0.53	
		For 5,000 PSI Concrete, Add	0.79	
		For White Facing, Add	2.64	
		For Solid White Through Thickness, Add	2.64	
		For Broken Rib Finish, Add	1.32	
		For Fluted Surface, Add	1.32	
		For Exposed Aggregate, Add	2.64	
		For Sandblasting Of Surface, Add	1.32	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	16.28	
		For 4,000 PSI Concrete, Add	0.49	
		For 4,500 PSI Concrete, Add	0.65	
		For 5,000 PSI Concrete, Add	0.98	
		For White Facing, Add	3.26	
		For Solid White Through Thickness, Add	3.26	
		For Broken Rib Finish, Add	1.63	
		For Fluted Surface, Add	1.63	
		For Exposed Aggregate, Add	3.26	
		For Sandblasting Of Surface, Add	1.63	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	19.49	
		For 4,000 PSI Concrete, Add	0.58	
		For 4,500 PSI Concrete, Add	0.78	
		For 5,000 PSI Concrete, Add	1.17	
		For White Facing, Add	3.90	
		For Solid White Through Thickness, Add	3.90	
		For Broken Rib Finish, Add	1.95	
		For Fluted Surface, Add	1.95	
		For Exposed Aggregate, Add	3.90	
		For Sandblasting Of Surface, Add	1.95	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	25.75	
		For 4,000 PSI Concrete, Add	0.77	
		For 4,500 PSI Concrete, Add	1.03	
		For 5,000 PSI Concrete, Add	1.55	
		For White Facing, Add	5.15	
		For Solid White Through Thickness, Add	5.15	
		For Broken Rib Finish, Add	2.58	
		For Fluted Surface, Add	2.58	
		For Exposed Aggregate, Add	5.15	
		For Sandblasting Of Surface, Add	2.58	

03 41 19 00-0058		Cladding Panels <small>(03 41 19)</small>		
03 41 19 00-0059		Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0058)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	277.31	221.80
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	310.18	248.12
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	351.90	281.51
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	376.09	300.88
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	403.86	323.06
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	439.24	351.37
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	477.58	382.12
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	527.85	422.26

03 41 19 00-0068		Erection Costs Using 90 Ton Crawler Crane <small>(03 41 19 00-0058)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.				
03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	314.24	251.36
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	351.50	281.19
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	398.77	318.98
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	426.19	340.95



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	457.65	366.14
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	497.74	398.15
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	541.19	432.91
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	598.15	478.56
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	662.04	529.60
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	749.33	599.50
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	852.37	681.90
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	988.26	790.62
03 41 19 00-0081 Material Cost <small>(03 41 19 00-0058)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	13.22	
For 3,500 PSI Concrete, Add	0.26	
For 4,000 PSI Concrete, Add	0.40	
For 4,500 PSI Concrete, Add	0.53	
For 5,000 PSI Concrete, Add	0.79	
For White Facing, Add	2.64	
For Solid White Through Thickness, Add	2.64	
For Broken Rib Finish, Add	1.32	
For Fluted Surface, Add	1.32	
For Exposed Aggregate, Add	2.64	
For Sandblasting Of Surface, Add	1.32	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	16.28	
For 3,500 PSI Concrete, Add	0.33	
For 4,000 PSI Concrete, Add	0.49	
For 4,500 PSI Concrete, Add	0.65	
For 5,000 PSI Concrete, Add	0.98	
For White Facing, Add	3.26	
For Solid White Through Thickness, Add	3.26	
For Broken Rib Finish, Add	1.63	
For Fluted Surface, Add	1.63	
For Exposed Aggregate, Add	3.26	
For Sandblasting Of Surface, Add	1.63	
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	19.49	
For 3,500 PSI Concrete, Add	0.39	
For 4,000 PSI Concrete, Add	0.58	
For 4,500 PSI Concrete, Add	0.78	
For 5,000 PSI Concrete, Add	1.17	
For White Facing, Add	3.90	
For Solid White Through Thickness, Add	3.90	
For Broken Rib Finish, Add	1.95	
For Fluted Surface, Add	1.95	
For Exposed Aggregate, Add	3.90	
For Sandblasting Of Surface, Add	1.95	
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	25.75	
For 3,500 PSI Concrete, Add	0.52	
For 4,000 PSI Concrete, Add	0.77	
For 4,500 PSI Concrete, Add	1.03	
For 5,000 PSI Concrete, Add	1.55	
For White Facing, Add	5.15	
For Solid White Through Thickness, Add	5.15	
For Broken Rib Finish, Add	2.58	
For Fluted Surface, Add	2.58	
For Exposed Aggregate, Add	5.15	
For Sandblasting Of Surface, Add	2.58	
03 41 19 00-0086 Sandwich Panel <small>(03 41 19)</small>		
03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0086)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	277.31	221.80
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	310.18	248.12
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	351.90	281.51
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	376.09	300.88
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	403.86	323.06
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	439.24	351.37
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	477.58	382.12
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	527.85	422.26
03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane <small>(03 41 19 00-0086)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	282.08	225.62
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	315.52	252.40
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	357.96	286.35
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	382.57	306.06
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	410.82	328.63
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	446.80	357.42
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	485.80	388.69
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	536.94	429.53

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	594.28	475.44
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	672.65	538.09
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	765.14	612.11
03 41 19 00-0108	EA		Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	887.11	709.66

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

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

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	18.09		
		<i>For 3,500 PSI Concrete, Add</i>	0.36		
		<i>For 4,000 PSI Concrete, Add</i>	0.54		
		<i>For 4,500 PSI Concrete, Add</i>	0.72		
		<i>For 5,000 PSI Concrete, Add</i>	1.09		
		<i>For White Facing, Add</i>	3.62		
		<i>For Solid White Through Thickness, Add</i>	3.62		
		<i>For Broken Rib Finish, Add</i>	1.81		
		<i>For Fluted Surface, Add</i>	1.81		
		<i>For Exposed Aggregate, Add</i>	3.62		
		<i>For Sandblasting Of Surface, Add</i>	1.81		
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	21.29		
		<i>For 3,500 PSI Concrete, Add</i>	0.43		
		<i>For 4,000 PSI Concrete, Add</i>	0.64		
		<i>For 4,500 PSI Concrete, Add</i>	0.85		
		<i>For 5,000 PSI Concrete, Add</i>	1.28		
		<i>For White Facing, Add</i>	4.26		
		<i>For Solid White Through Thickness, Add</i>	4.26		
		<i>For Broken Rib Finish, Add</i>	2.13		
		<i>For Fluted Surface, Add</i>	2.13		
		<i>For Exposed Aggregate, Add</i>	4.26		
		<i>For Sandblasting Of Surface, Add</i>	2.13		
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	24.77		
		<i>For 3,500 PSI Concrete, Add</i>	0.50		
		<i>For 4,000 PSI Concrete, Add</i>	0.74		
		<i>For 4,500 PSI Concrete, Add</i>	0.99		
		<i>For 5,000 PSI Concrete, Add</i>	1.49		
		<i>For White Facing, Add</i>	4.95		
		<i>For Solid White Through Thickness, Add</i>	4.95		
		<i>For Broken Rib Finish, Add</i>	2.48		
		<i>For Fluted Surface, Add</i>	2.48		
		<i>For Exposed Aggregate, Add</i>	4.95		
		<i>For Sandblasting Of Surface, Add</i>	2.48		
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	31.32		
		<i>For 3,500 PSI Concrete, Add</i>	0.63		
		<i>For 4,000 PSI Concrete, Add</i>	0.94		
		<i>For 4,500 PSI Concrete, Add</i>	1.25		
		<i>For 5,000 PSI Concrete, Add</i>	1.88		
		<i>For White Facing, Add</i>	6.26		
		<i>For Solid White Through Thickness, Add</i>	6.26		
		<i>For Broken Rib Finish, Add</i>	3.13		
		<i>For Fluted Surface, Add</i>	3.13		
		<i>For Exposed Aggregate, Add</i>	6.26		
		<i>For Sandblasting Of Surface, Add</i>	3.13		

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

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

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	292.12	233.64
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	310.18	248.12
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	328.83	263.08
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	351.90	281.51
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	376.09	300.88
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	403.86	323.06
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	439.24	351.37
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	477.58	382.12

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

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

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	292.12	233.64
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	310.18	248.12
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	328.83	263.08
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	351.90	281.51
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	376.09	300.88
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	403.86	323.06
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	439.24	351.37
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	477.58	382.12



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 23 00-0019 Material Cost <small>(03 41 23)</small>		
<i>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.</i>		
03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	278.93	
<i>For 3,500 PSI Concrete, Add</i>	36.40	
<i>For 4,000 PSI Concrete, Add</i>	68.39	
<i>For 4,500 PSI Concrete, Add</i>	100.53	
<i>For 5,000 PSI Concrete, Add</i>	136.76	
 03 41 26 Precast Concrete Structural Sections <small>(03 41)</small>		
03 41 26 00-0001 Precast Beams, Girder And Joists <small>(03 41 26)</small>		
03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0001)</small>		
<i>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</i>		
03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	372.62	298.14
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	398.77	318.98
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane.....	426.19	340.95
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane.....	457.65	366.14
 03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 26 00-0001)</small>		
<i>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</i>		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	469.36	375.46
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	502.29	401.87
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	536.83	429.47
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	576.47	461.14
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	626.96	501.62
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	681.69	545.32
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	753.45	602.76
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	833.91	667.17
 03 41 26 00-0016 Material Cost <small>(03 41 26 00-0001)</small>		
<i>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.</i>		
03 41 26 00-0017 1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	55.78	
<i>For 3,500 PSI Concrete, Add</i>	1.52	
<i>For 4,000 PSI Concrete, Add</i>	2.29	
<i>For 4,500 PSI Concrete, Add</i>	3.05	
<i>For 5,000 PSI Concrete, Add</i>	4.57	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	69.72	
<i>For 3,500 PSI Concrete, Add</i>	1.90	
<i>For 4,000 PSI Concrete, Add</i>	2.86	
<i>For 4,500 PSI Concrete, Add</i>	3.81	
<i>For 5,000 PSI Concrete, Add</i>	5.72	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	83.67	
<i>For 3,500 PSI Concrete, Add</i>	2.28	
<i>For 4,000 PSI Concrete, Add</i>	3.43	
<i>For 4,500 PSI Concrete, Add</i>	4.57	
<i>For 5,000 PSI Concrete, Add</i>	6.86	
 03 41 26 00-0021 3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	69.72	
<i>For 3,500 PSI Concrete, Add</i>	1.90	
<i>For 4,000 PSI Concrete, Add</i>	2.86	
<i>For 4,500 PSI Concrete, Add</i>	3.81	
<i>For 5,000 PSI Concrete, Add</i>	5.72	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	83.67	
<i>For 3,500 PSI Concrete, Add</i>	2.28	
<i>For 4,000 PSI Concrete, Add</i>	3.43	
<i>For 4,500 PSI Concrete, Add</i>	4.57	
<i>For 5,000 PSI Concrete, Add</i>	6.86	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	111.56	
<i>For 3,500 PSI Concrete, Add</i>	3.05	
<i>For 4,000 PSI Concrete, Add</i>	4.57	
<i>For 4,500 PSI Concrete, Add</i>	6.09	
<i>For 5,000 PSI Concrete, Add</i>	9.15	
 03 41 26 00-0025 5,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	97.61	
<i>For 3,500 PSI Concrete, Add</i>	2.66	
<i>For 4,000 PSI Concrete, Add</i>	4.00	
<i>For 4,500 PSI Concrete, Add</i>	5.33	
<i>For 5,000 PSI Concrete, Add</i>	8.00	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0027	LF		Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	111.56	
			<i>For 3,500 PSI Concrete, Add</i>	3.05	
			<i>For 4,000 PSI Concrete, Add</i>	4.57	
			<i>For 4,500 PSI Concrete, Add</i>	6.09	
			<i>For 5,000 PSI Concrete, Add</i>	9.15	
03 41 26 00-0028	LF		Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	139.44	
			<i>For 3,500 PSI Concrete, Add</i>	3.81	
			<i>For 4,000 PSI Concrete, Add</i>	5.72	
			<i>For 4,500 PSI Concrete, Add</i>	7.61	
			<i>For 5,000 PSI Concrete, Add</i>	11.43	
03 41 26 00-0029			Precast Concrete Columns <small>(03 41 26)</small>		
03 41 26 00-0030			Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0029)</small>		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA		Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	214.03	171.20
03 41 26 00-0032	EA		Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	227.55	182.00
03 41 26 00-0033	EA		Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	243.87	195.11
03 41 26 00-0034	EA		Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	261.58	209.27
03 41 26 00-0035	EA		Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	282.08	225.62
03 41 26 00-0036	EA		Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	306.06	244.84
03 41 26 00-0037	EA		Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	334.49	267.60
03 41 26 00-0038			Material Cost <small>(03 41 26 00-0029)</small>		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039			12" x 12" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040	CY		12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	288.70	
			<i>For 3,500 PSI Concrete, Add</i>	21.65	
			<i>For 4,000 PSI Concrete, Add</i>	40.71	
			<i>For 4,500 PSI Concrete, Add</i>	60.05	
			<i>For 5,000 PSI Concrete, Add</i>	81.70	
03 41 26 00-0041			16" x 16" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0042	CY		16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	295.83	
			<i>For 3,500 PSI Concrete, Add</i>	22.19	
			<i>For 4,000 PSI Concrete, Add</i>	41.71	
			<i>For 4,500 PSI Concrete, Add</i>	61.53	
			<i>For 5,000 PSI Concrete, Add</i>	83.72	
03 41 26 00-0043			20" x 20" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0044	CY		20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	296.40	
			<i>For 3,500 PSI Concrete, Add</i>	22.23	
			<i>For 4,000 PSI Concrete, Add</i>	41.79	
			<i>For 4,500 PSI Concrete, Add</i>	61.65	
			<i>For 5,000 PSI Concrete, Add</i>	83.88	
03 41 26 00-0045			24" x 24" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0046	CY		24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	296.40	
			<i>For 3,500 PSI Concrete, Add</i>	22.23	
			<i>For 4,000 PSI Concrete, Add</i>	41.79	
			<i>For 4,500 PSI Concrete, Add</i>	61.65	
			<i>For 5,000 PSI Concrete, Add</i>	83.88	
03 41 26 00-0047			28" x 28" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0048	CY		28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	296.40	
			<i>For 3,500 PSI Concrete, Add</i>	22.23	
			<i>For 4,000 PSI Concrete, Add</i>	41.79	
			<i>For 4,500 PSI Concrete, Add</i>	61.65	
			<i>For 5,000 PSI Concrete, Add</i>	83.88	
03 41 26 00-0049			32" x 32" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0050	CY		32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	295.83	
			<i>For 3,500 PSI Concrete, Add</i>	22.19	
			<i>For 4,000 PSI Concrete, Add</i>	41.71	
			<i>For 4,500 PSI Concrete, Add</i>	61.53	
			<i>For 5,000 PSI Concrete, Add</i>	83.72	
03 41 26 00-0051			36" x 36" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0052	CY		36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	296.40	
			<i>For 3,500 PSI Concrete, Add</i>	22.23	
			<i>For 4,000 PSI Concrete, Add</i>	41.79	
			<i>For 4,500 PSI Concrete, Add</i>	61.65	
			<i>For 5,000 PSI Concrete, Add</i>	83.88	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-001 Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	7.08	1.73
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	8.59	1.73
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	10.09	1.81
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	11.61	1.90
03 41 33 00-0006 Tee Members (03 41 33)		
03 41 33 00-0007 Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	14.79	2.25
03 41 33 00-0009 Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	23.03	6.14
03 41 33 00-0011 Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	18.14	3.72
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	20.93	3.21
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	10.08	0.70
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor.....	10.50	0.70
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	16.36	0.61
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	22.40	0.61
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	11.59	1.04
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span.....	17.37	0.70
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	12.76	1.38
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	19.98	1.55
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	22.52	0.96
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	29.52	0.87
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	31.05	0.87
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	5,053.24	249.13
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	5,506.21	276.81
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	9,105.75	311.42
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	2,068.31	226.55
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,682.35	249.13
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	3,379.67	249.13
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	3,762.90	276.81
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	4,782.35	311.42
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	8,464.25	356.05
03 41 33 00-0040 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0041 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	10.57	
03 41 33 00-0042 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	11.04	
03 41 33 00-0043 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	11.66	
03 41 33 00-0044 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	12.17	
03 41 33 00-0045 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	13.15	
03 41 33 00-0046 Double And Single Tees (03 41 33)		
03 41 33 00-0047 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0048 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.96	
03 41 33 00-0049 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.63	
03 41 33 00-0050 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	11.91	
03 41 33 00-0051 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	12.96	
03 41 33 00-0052 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	12.88	
03 41 33 00-0053 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	19.49	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0054	SF		Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	19.03	
03 41 33 00-0055	SF		Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	17.81	
03 41 33 00-0056	SF		Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	19.49	
03 41 33 00-0057	SF		Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	18.28	
03 41 33 00-0058			Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0059	SF		Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	13.34	
03 41 33 00-0060	SF		Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	13.01	
03 41 33 00-0061	SF		Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	12.54	
03 41 33 00-0062	SF		Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	13.34	
03 41 33 00-0063	SF		Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	12.88	
03 41 33 00-0064	SF		Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	19.99	
03 41 33 00-0065	SF		Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	19.54	
03 41 33 00-0066	SF		Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	18.82	
03 41 33 00-0067	SF		Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	19.99	
03 41 33 00-0068	SF		Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	19.41	
03 41 33 00-0069			Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0046)		
03 41 33 00-0070	SF		Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	14.11	
03 41 33 00-0071	SF		Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	13.64	
03 41 33 00-0072	SF		Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	13.16	
03 41 33 00-0073	SF		Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	21.26	
03 41 33 00-0074	SF		Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	20.54	
03 41 33 00-0075	SF		Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	19.69	
03 48 Precast Concrete Specialties (03 40)					
03 48 16 Precast Concrete Splash Blocks (03 48)					
03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)					
03 48 16 00-0002	EA		Precast Concrete Splash Blocks, Standard Size.....	17.13	3.15
03 48 21 Precast Concrete Handrails (03 48)					
03 48 21 00-0001 Installation Cost (03 48 21)			Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002	EA		Install Precast Handrails, 0-2 Ton/Handrail.....	122.61	55.20
03 48 21 00-0003	EA		Install Precast Handrails, Over 2 Ton/Handrail.....	147.04	66.15
03 48 21 00-0004 Material Cost (03 48 21)			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005	CY		4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,101.81	
			For 3,500 PSI Concrete, Add	71.89	
			For 4,000 PSI Concrete, Add	135.08	
			For 4,500 PSI Concrete, Add	198.55	
			For 5,000 PSI Concrete, Add	270.11	
03 48 21 00-0006	CY		5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,143.65	
			For 3,500 PSI Concrete, Add	74.62	
			For 4,000 PSI Concrete, Add	140.21	
			For 4,500 PSI Concrete, Add	206.09	
			For 5,000 PSI Concrete, Add	280.37	
03 48 21 00-0007	CY		6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,185.49	
			For 3,500 PSI Concrete, Add	77.35	
			For 4,000 PSI Concrete, Add	145.34	
			For 4,500 PSI Concrete, Add	213.63	
			For 5,000 PSI Concrete, Add	290.62	
03 48 21 00-0008	CY		8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,241.28	
			For 3,500 PSI Concrete, Add	80.99	
			For 4,000 PSI Concrete, Add	152.18	
			For 4,500 PSI Concrete, Add	223.68	
			For 5,000 PSI Concrete, Add	304.30	
03 48 22 Precast Concrete Sun Screen And Trellis (03 48)					
03 48 22 00-0001 Sun Screen Blades (03 48 22)					
03 48 22 00-0002 Installation Cost (03 48 22 00-0001)			Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA		Install Precast Sun Screen Blade, 0-1 Ton/Each.....	61.30	27.60
03 48 22 00-0004	EA		Install Precast Sun Screen Blade, 1-2 Ton/Each.....	73.65	33.12
03 48 22 00-0005	EA		Install Precast Sun Screen Blade, 2-3 Ton/Each.....	92.02	41.44
03 48 22 00-0006 Material Cost (03 48 22 00-0001)			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		



Concrete	03	03
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0007	CY		4" Thick 3,000 PSI Concrete Precast Sun Screen Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,171.54 76.44 143.63 211.11 287.20	
03 48 22 00-0008	CY		5" Thick 3,000 PSI Concrete Precast Sun Screen Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,213.38 79.17 148.76 218.65 297.46	
03 48 22 00-0009	CY		6" Thick 3,000 PSI Concrete Precast Sun Screen Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,269.17 82.81 155.60 228.70 311.14	
03 48 22 00-0010	CY		8" Thick 3,000 PSI Concrete Precast Sun Screen Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,324.96 86.45 162.44 238.76 324.81	
03 48 22 00-0011			Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012			Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011) Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA		Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	277.31	124.77
03 48 22 00-0014	EA		Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	310.18	139.63
03 48 22 00-0015	EA		Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	351.90	158.34
03 48 22 00-0016	EA		Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	376.09	169.24
03 48 22 00-0017			Material Cost (03 48 22 00-0011) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY		4" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,352.85 88.27 165.86 243.78 331.65	
03 48 22 00-0019	CY		5" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,394.69 91.00 170.99 251.32 341.91	
03 48 22 00-0020	CY		6" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,450.48 94.64 177.83 261.38 355.59	
03 48 22 00-0021	CY		8" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,520.21 99.19 186.38 273.94 372.68	
03 48 24			Precast Minaret Segments (03 48)		
03 48 24 00-0001			Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002			L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003	EA		Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	269.85	215.87
03 48 24 00-0004	EA		Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	302.39	241.92
03 48 24 00-0005	EA		Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	341.90	273.52
03 48 24 00-0006	EA		Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	364.70	291.76
03 48 24 00-0007			O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008	EA		Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	285.19	228.20
03 48 24 00-0009	EA		Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	320.08	256.03
03 48 24 00-0010	EA		Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	362.50	289.97
03 48 24 00-0011	EA		Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	388.23	310.56
03 48 24 00-0012			Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013	EA		Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	547.05	437.68
03 48 24 00-0014	EA		Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	661.27	528.98
03 48 24 00-0015	EA		Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	733.84	587.09
03 48 24 00-0016	EA		Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	824.32	659.48
03 48 24 00-0017			Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018	EA		Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	299.37	239.48

03	Concrete
03 40	Precast Concrete
03 48	Precast Concrete Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	334.31	267.41
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	380.85	304.64
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	406.59	325.23
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	274.49	219.59
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	307.60	246.08
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	347.79	278.23
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	370.98	296.78
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	290.10	232.13
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	325.59	260.44
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	368.74	294.96
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	394.91	315.91
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	443.56	354.83
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	536.94	429.53
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	594.28	475.44
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	672.65	538.09
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	304.53	243.60
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	340.07	272.01
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	387.41	309.89
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	413.59	330.83
03 48 24 00-0043 Material Costs (03 48 24)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,347.07	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,347.07	
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	3,347.07	
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	3,347.07	
03 48 29 Precast Accessories (03 48)		
Note: Includes installation labor, material and equipment.		
03 48 29 00-0001 Bearing Pads For Precast Members (03 48 29)		
03 48 29 00-0002 Continuous 2" Wide Strips (03 48 29 00-0001)		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.21	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	1.77	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.00	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	4.26	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips	5.55	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	8.01	
Note: For precast members		
03 48 29 00-0009 Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010 LF 4" x 4" Precast Pipe Support	6.90	
03 48 46 Precast Skylight Shells (03 48)		
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane (03 48 46)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	398.77	179.47
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	442.79	199.27
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	497.74	223.98
03 48 46 00-0005 Material Cost (03 48 46)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,400.31	



	Concrete	03	03
	Precast Concrete	03 40	
	Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 48 49 Precast Landings (03 48)

03 48 49 00-0001	SF	3" Thick Precast Landing	42.02
03 48 49 00-0002	SF	4" Thick Precast Landing	48.61
03 48 49 00-0003	SF	5" Thick Precast Landing	55.72
03 48 49 00-0004	SF	6" Thick Precast Landing	64.37

03 50 Cast Decks And Underlayment (03)

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 00 00-0001 Integral Topping Including Hard Trowel Finish (03 53)

Note: Using 1:1:2 mix.

03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	1.92
03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.16
03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.52
03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.00
03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.25
03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.63
03 53 00 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.05

03 53 00 00-0009 Granolithic Topping Laid After (03 53)

Note: Using 1:1:1-1/2 mix.

03 53 00 00-0010	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.25
03 53 00 00-0011	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.51
03 53 00 00-0012	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.40

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.68
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	2.56
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	4.33
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	6.11
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.88
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	10.23
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	11.42
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	14.97

03 60 Grouting (03)

03 61 Cementitious Grouting (03 60)

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

03 61 16 Cementitious Flowable Grout (03 61)

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

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	334.38
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03 62 Non-Shrink Grouting (03 60)

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

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting (03 62 13)

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Grouting Bases.....	19.22
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Grouting Bases.....	28.44

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting (03 62 13)

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Grouting Bases	29.43
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Grouting Bases	47.18

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints (03 62 13)

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	1.54
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.01
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.67

03	Concrete
03 60	Grouting
03 62	Non-Shrink Grouting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <small>(03 62 13 00-0007)</small>		
03 62 13 00-0013 LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	2.27	
03 62 13 00-0014 LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.03	
03 62 13 00-0015 LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.03	
03 62 16 Metallic Non-Shrink Grouting <small>(03 62)</small>		
03 62 16 00-0001 Metallic Non-Shrink Grouting <small>(03 62 16)</small>		
03 62 16 00-0002 SF 1" Deep, Metallic Non-Shrink Grout For Grouting Bases	24.92	
03 62 16 00-0003 SF 2" Deep, Metallic Non-Shrink Grout For Grouting Bases	38.43	
03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints <small>(03 62 16)</small>		
03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>		
03 62 16 00-0006 LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.25	
03 62 16 00-0007 LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.59	
03 62 16 00-0008 LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.12	
03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>		
03 62 16 00-0010 LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	1.72	
03 62 16 00-0011 LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.18	
03 62 16 00-0012 LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.91	
03 64 Injection Grouting <small>(03 64)</small>		
Note: By volume of void filled. Includes injection ports.		
03 64 23 Epoxy Injection Grouting <small>(03 64)</small>		
03 64 23 00-0001 Epoxy Injection Grouting <small>(03 64 23)</small>		
03 64 23 00-0002 CF Pressure Injected Epoxy Grout	792.81	
03 64 26 Cementitious Injection Grouting <small>(03 64)</small>		
03 64 26 00-0001 Cementitious Injection Grouting <small>(03 64 26)</small>		
03 64 26 00-0002 CF Pressure Injected Cementitious Grout	62.00	
03 80 Concrete Cutting And Boring <small>(03)</small>		
03 81 Concrete Cutting <small>(03 80)</small>		
03 81 13 Flat Concrete Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0046 for saw cutting.		
03 81 16 Track Mounted Concrete Wall Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0046 for saw cutting.		
03 82 Concrete Boring <small>(03 80)</small>		
03 82 13 Concrete Core Drilling <small>(03 82)</small>		
See CSI section 02 41 19 13-0069 for core drilling.		

END OF SECTION 03



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

05 05 Common Work Results For Metals ⁽⁰⁵⁾

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

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

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

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

Note: Includes drilling.

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

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

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	8.24	
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.79	
	For >100, Deduct	-1.58	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	8.31	
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.79	
	For >100, Deduct	-1.59	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	8.57	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.82	
	For >100, Deduct	-1.63	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	10.10	
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-0.96	
	For >100, Deduct	-1.93	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	10.15	
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-0.97	
	For >100, Deduct	-1.93	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	10.17	
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-0.97	
	For >100, Deduct	-1.93	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	10.37	
	For >10 To 50, Deduct	-0.47	
	For >50 To 100, Deduct	-0.97	
	For >100, Deduct	-1.94	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.61	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.38	
	For >100, Deduct	-2.76	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.65	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.38	
	For >100, Deduct	-2.76	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.73	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.38	
	For >100, Deduct	-2.76	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.95	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.77	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.25	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.79	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	18.91	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.72	
	For >100, Deduct	-3.45	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	18.97	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.72	
	For >100, Deduct	-3.45	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.11	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.73	
	For >100, Deduct	-3.46	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.38	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.73	
	For >100, Deduct	-3.47	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.65	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.74	
	For >100, Deduct	-3.48	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.78	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.79	
			<i>For >100, Deduct</i>	-3.59	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.61	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.68	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.77	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.06	
			<i>For >100, Deduct</i>	-4.11	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.83	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.06	
			<i>For >100, Deduct</i>	-4.11	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.16	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100, Deduct</i>	-4.13	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.55	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100, Deduct</i>	-4.15	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.00	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.09	
			<i>For >100, Deduct</i>	-4.17	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.70	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100, Deduct</i>	-4.26	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.97	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.53	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100, Deduct</i>	-4.50	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.96	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.72	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.30	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100, Deduct</i>	-4.79	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.09	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.88	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	37.23	
			<i>For >10 To 50, Deduct</i>	-1.39	
			<i>For >50 To 100, Deduct</i>	-3.02	
			<i>For >100, Deduct</i>	-6.04	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	39.77	
			<i>For >10 To 50, Deduct</i>	-1.39	
			<i>For >50 To 100, Deduct</i>	-3.08	
			<i>For >100, Deduct</i>	-6.16	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.28	
			<i>For >10 To 50, Deduct</i>	-1.39	
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100, Deduct</i>	-6.29	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.44	
			<i>For >10 To 50, Deduct</i>	-1.78	
			<i>For >50 To 100, Deduct</i>	-3.88	
			<i>For >100, Deduct</i>	-7.77	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	50.25	
			<i>For >10 To 50, Deduct</i>	-1.78	
			<i>For >50 To 100, Deduct</i>	-3.93	
			<i>For >100, Deduct</i>	-7.86	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.75	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.61	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.97	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100, Deduct</i>	-1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.31	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100, Deduct</i>	-1.67	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.07	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.25	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.39	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.00	
<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.41	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100, Deduct</i>	-2.04	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.80	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.87	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.15	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.36	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.89	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.28	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.94	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.68	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-3.01	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.36	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100, Deduct</i>	-3.67	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.27	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.86	
<i>For >100, Deduct</i>	-3.71	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.25	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100, Deduct</i>	-3.76	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.55	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.91	
<i>For >100, Deduct</i>	-3.83	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.29	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-2.06	
<i>For >100, Deduct</i>	-4.12	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.85	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.70	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.23	
<i>For >100, Deduct</i>	-4.46	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.27	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.27	
<i>For >100, Deduct</i>	-4.54	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.47	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.27	
<i>For >100, Deduct</i>	-4.55	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.94	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.31	
<i>For >100, Deduct</i>	-4.62	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.78	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.41	
<i>For >100, Deduct</i>	-4.81	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	42.20	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100, Deduct</i>	-5.08	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	42.89	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100, Deduct</i>	-5.37	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	61.36	
			<i>For >10 To 50, Deduct</i>	-1.39	
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100, Deduct</i>	-7.24	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.38	
			<i>For >10 To 50, Deduct</i>	-1.39	
			<i>For >50 To 100, Deduct</i>	-3.82	
			<i>For >100, Deduct</i>	-7.65	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	8.93	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100, Deduct</i>	-1.62	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	9.39	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.84	
			<i>For >100, Deduct</i>	-1.67	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.67	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.01	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	11.99	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.02	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	12.08	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.03	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	13.61	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.05	
			<i>For >100, Deduct</i>	-2.10	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.27	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.94	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	19.16	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.78	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.06	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.19	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.08	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	28.33	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.96	
			<i>For >100, Deduct</i>	-3.92	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	28.81	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-3.94	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	34.80	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.71	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	36.82	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100, Deduct</i>	-4.81	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	16.34	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100, Deduct</i>	-2.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.09	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.88	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.84	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.46	
For >100, Deduct	-2.92	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	18.22	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.94	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	22.06	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.80	
For >100, Deduct	-3.60	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.16	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.56	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.21	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.19	
For >100, Deduct	-4.38	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	29.04	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.21	
For >100, Deduct	-4.43	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	33.09	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.31	
For >100, Deduct	-4.63	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	36.47	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.00	
For >100, Deduct	-6.00	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	38.80	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.06	
For >100, Deduct	-6.12	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	41.12	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.12	
For >100, Deduct	-6.23	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.30	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.61	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.39	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.51	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.73	
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.69	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.82	
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.70	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.90	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.92	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.06	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.93	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.21	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.93	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.24	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.73	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	14.44	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.37	
			<i>For >100, Deduct</i>	-2.74	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	14.62	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	14.83	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.84	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.39	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	18.15	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.41	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.38	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.71	
			<i>For >100, Deduct</i>	-3.42	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	19.05	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100, Deduct</i>	-3.45	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.78	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100, Deduct</i>	-4.06	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.36	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100, Deduct</i>	-4.09	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.88	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.06	
			<i>For >100, Deduct</i>	-4.12	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.71	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100, Deduct</i>	-4.16	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	9.14	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.83	
			<i>For >100, Deduct</i>	-1.65	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	11.66	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.01	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	12.52	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.05	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	17.17	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	18.72	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.96	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	25.10	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100, Deduct</i>	-3.75	
05 05 19 00-0125			Concrete Strike Anchors <small>(05 05 19 00-0002)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Long Concrete Strike Anchor	8.77	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.82	
			<i>For >100, Deduct</i>	-1.64	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Long Concrete Strike Anchor	8.93	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.82	
			<i>For >100, Deduct</i>	-1.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Long Concrete Strike Anchor	9.32	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.86	
<i>For >100, Deduct</i>	-1.72	
05 05 19 00-0129 EA 5/16" Diameter x 4" Long Concrete Strike Anchor	9.99	
<i>For >10 To 50, Deduct</i>	-0.42	
<i>For >50 To 100, Deduct</i>	-0.88	
<i>For >100, Deduct</i>	-1.76	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Long Concrete Strike Anchor	10.63	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Long Concrete Strike Anchor	11.14	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0132 EA 3/8" Diameter x 5" Long Concrete Strike Anchor	11.53	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.00	
<i>For >100, Deduct</i>	-2.00	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Long Concrete Strike Anchor	15.50	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.40	
<i>For >100, Deduct</i>	-2.80	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Long Concrete Strike Anchor	15.80	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.81	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Long Concrete Strike Anchor	16.69	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.86	
05 05 19 00-0136 EA 1/2" Diameter x 6" Long Concrete Strike Anchor	17.84	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.91	
05 05 19 00-0137 EA 5/8" Diameter x 4" Long Concrete Strike Anchor	20.50	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.52	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Long Concrete Strike Anchor	21.56	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.79	
<i>For >100, Deduct</i>	-3.58	
05 05 19 00-0139 EA 5/8" Diameter x 6" Long Concrete Strike Anchor	22.50	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.81	
<i>For >100, Deduct</i>	-3.62	
05 05 19 00-0140 EA 3/4" Diameter x 5" Long Concrete Strike Anchor	26.21	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.14	
<i>For >100, Deduct</i>	-4.28	
05 05 19 00-0141 EA 3/4" Diameter x 6" Long Concrete Strike Anchor	27.20	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.17	
<i>For >100, Deduct</i>	-4.33	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	11.52	
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.24	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	14.09	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	17.14	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.25	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.40	
<i>For >10 To 50, Deduct</i>	-0.88	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100, Deduct</i>	-3.60	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	23.15	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.07	
<i>For >100, Deduct</i>	-4.15	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	13.28	
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.33	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	17.45	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-2.90	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	21.51	
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100, Deduct</i>	-3.47	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	26.43	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.95	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	35.24	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100, Deduct</i>	-4.75	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	8.44	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100, Deduct</i>	-1.62	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	9.00	
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-0.85	
			<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.18	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	14.83	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	20.37	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.76	
			<i>For >100, Deduct</i>	-3.52	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	24.54	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.20	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	8.48	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.81	
			<i>For >100, Deduct</i>	-1.62	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.09	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.49	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	14.81	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	19.74	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.49	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	22.25	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100, Deduct</i>	-4.09	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod.....	10.65	
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod.....	12.31	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100, Deduct</i>	-2.05	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod.....	15.30	
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100, Deduct</i>	-2.56	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod.....	17.87	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod.....	18.87	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100, Deduct</i>	-2.97	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	23.35	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100, Deduct</i>	-3.67	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod.....	30.19	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.24	
<i>For >100, Deduct</i>	-4.48	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	35.63	
<i>For >10 To 50, Deduct</i>	-1.07	
<i>For >50 To 100, Deduct</i>	-2.50	
<i>For >100, Deduct</i>	-5.00	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod.....	48.57	
<i>For >10 To 50, Deduct</i>	-1.39	
<i>For >50 To 100, Deduct</i>	-3.30	
<i>For >100, Deduct</i>	-6.60	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod.....	69.35	
<i>For >10 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-4.37	
<i>For >100, Deduct</i>	-8.73	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	9.86	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0183 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	12.36	
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.41	
05 05 19 00-0184 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	14.03	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.36	
<i>For >100, Deduct</i>	-2.72	
05 05 19 00-0185 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.99	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100, Deduct</i>	-3.40	
05 05 19 00-0186 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	22.15	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100, Deduct</i>	-4.08	
05 05 19 00-0187 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.56	
<i>For >10 To 50, Deduct</i>	-1.07	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100, Deduct</i>	-4.45	
05 05 19 00-0188 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	32.49	
<i>For >10 To 50, Deduct</i>	-1.39	
<i>For >50 To 100, Deduct</i>	-2.90	
<i>For >100, Deduct</i>	-5.80	
05 05 19 00-0189 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	37.20	
<i>For >10 To 50, Deduct</i>	-1.57	
<i>For >50 To 100, Deduct</i>	-3.29	
<i>For >100, Deduct</i>	-6.58	
05 05 19 00-0190 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	42.55	
<i>For >10 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-3.70	
<i>For >100, Deduct</i>	-7.39	
05 05 19 00-0191 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	46.00	
<i>For >10 To 50, Deduct</i>	-1.83	
<i>For >50 To 100, Deduct</i>	-3.90	
<i>For >100, Deduct</i>	-7.80	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.70	
For >10 To 50, Deduct	-1.91	
For >50 To 100, Deduct	-4.14	
For >100, Deduct	-8.28	
05 05 19 00-0193 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	60.10	
For >10 To 50, Deduct	-2.07	
For >50 To 100, Deduct	-4.61	
For >100, Deduct	-9.23	
05 05 19 00-0194 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	80.31	
For >10 To 50, Deduct	-2.15	
For >50 To 100, Deduct	-5.24	
For >100, Deduct	-10.48	
05 05 19 00-0195 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0196 EA Grout Concrete Anchor Bolt or Threaded Rod.....	3.44	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.67	
05 05 19 00-0197 Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0198 Tapcon Masonry Screws (05 05 19 00-0197)		
Note: Includes drilling, Countersunk or hex head.		
05 05 19 00-0199 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	8.17	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	
05 05 19 00-0200 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	8.22	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	
05 05 19 00-0201 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	8.32	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.61	
05 05 19 00-0202 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	8.22	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	
05 05 19 00-0203 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	8.28	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.61	
05 05 19 00-0204 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	8.41	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0205 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0197)		
Note: Includes drilling, Zinc plated.		
05 05 19 00-0206 EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	8.65	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	
05 05 19 00-0207 EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	8.89	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.64	
05 05 19 00-0208 EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	8.96	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.65	
05 05 19 00-0209 EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	9.08	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.65	
05 05 19 00-0210 EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.18	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.66	
05 05 19 00-0211 EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	9.39	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.67	
05 05 19 00-0212 EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	9.65	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.68	
05 05 19 00-0213 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.88	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA			1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	10.55	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.86	
				<i>For >100, Deduct</i>	-1.72	
05 05 19 00-0215	EA			5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.63	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.86	
				<i>For >100, Deduct</i>	-1.73	
05 05 19 00-0216	EA			5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	11.04	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.87	
				<i>For >100, Deduct</i>	-1.75	
05 05 19 00-0217	EA			5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	11.46	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0218	EA			5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.73	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0219	EA			3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.61	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0220	EA			3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.00	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.90	
				<i>For >100, Deduct</i>	-1.80	
05 05 19 00-0221	EA			3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	12.91	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.92	
				<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0222				Pin Bolt Drives <small>(05 05 19 00-0197)</small>		
				Note: Includes drilling. Zinc plated.		
05 05 19 00-0223	EA			1/4" x 1" Pin Bolt Drive.....	5.07	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.49	
				<i>For >100, Deduct</i>	-0.97	
05 05 19 00-0224	EA			1/4" x 1-1/4" Pin Bolt Drive.....	5.07	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.49	
				<i>For >100, Deduct</i>	-0.97	
05 05 19 00-0225	EA			1/4" x 1-1/2" Pin Bolt Drive.....	5.11	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.49	
				<i>For >100, Deduct</i>	-0.97	
05 05 19 00-0226	EA			1/4" x 2" Pin Bolt Drive.....	5.12	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.49	
				<i>For >100, Deduct</i>	-0.97	
05 05 19 00-0227				Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0197)</small>		
05 05 19 00-0228	EA			1/4" Diameter Threaded Stud Powder Actuated Anchor.....	1.47	
				<i>For >10 To 50, Deduct</i>	-0.06	
				<i>For >50 To 100, Deduct</i>	-0.12	
				<i>For >100, Deduct</i>	-0.24	
05 05 19 00-0229	EA			3/8" Diameter Threaded Stud Powder Actuated Anchor.....	1.97	
				<i>For >10 To 50, Deduct</i>	-0.07	
				<i>For >50 To 100, Deduct</i>	-0.15	
				<i>For >100, Deduct</i>	-0.30	
05 05 23				Metal Fastenings <small>(05 05)</small>		
05 05 23 00-0001				Drilling In Steel Plates <small>(05 05 23)</small>		
05 05 23 00-0002	EA			>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	24.14	
				<i>For Aluminum, Deduct</i>	-2.41	
				<i>For Stainless Steel, Add</i>	3.02	
05 05 23 00-0003	EA			>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	32.32	
				<i>For Aluminum, Deduct</i>	-3.23	
				<i>For Stainless Steel, Add</i>	4.04	
05 05 23 00-0004	EA			>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.32	
				<i>For Aluminum, Deduct</i>	-3.23	
				<i>For Stainless Steel, Add</i>	4.04	
05 05 23 00-0005	EA			Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	21.54	
				<i>For Aluminum, Deduct</i>	-2.15	
				<i>For Stainless Steel, Add</i>	2.69	
05 05 23 00-0006	EA			>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	28.44	
				<i>For Aluminum, Deduct</i>	-2.84	
				<i>For Stainless Steel, Add</i>	3.56	
05 05 23 00-0007	EA			>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	34.47	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0008		Hex Bolts <small>(05 05 23)</small>			
		Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0266 for drilling into concrete, 02 41 19 13-0276 for drilling into brick or block, 02 41 19 13-0286 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.			
05 05 23 00-0009		A307B Heavy Hex Bolts <small>(05 05 23 00-0008)</small>			
		Note: Includes A307B heavy hex nut and two structural washers.			
05 05 23 00-0010		Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0009)</small>			
05 05 23 00-0011	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	10.53		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-0.95		
		For >100, Deduct	-1.89		
05 05 23 00-0012	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	11.35		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-0.97		
		For >100, Deduct	-1.94		
05 05 23 00-0013	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	11.37		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-0.97		
		For >100, Deduct	-1.94		
05 05 23 00-0014	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	13.42		1.25
		For >10 To 50, Deduct	-0.52		
		For >50 To 100, Deduct	-1.12		
		For >100, Deduct	-2.23		
05 05 23 00-0015	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.74		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-1.00		
		For >100, Deduct	-2.01		
05 05 23 00-0016	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	15.12		1.25
		For >10 To 50, Deduct	-0.52		
		For >50 To 100, Deduct	-1.16		
		For >100, Deduct	-2.32		
05 05 23 00-0017	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	18.47		1.31
		For >10 To 50, Deduct	-0.54		
		For >50 To 100, Deduct	-1.28		
		For >100, Deduct	-2.56		
05 05 23 00-0018	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	19.77		1.38
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.35		
		For >100, Deduct	-2.71		
05 05 23 00-0019	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.97		1.19
		For >10 To 50, Deduct	-0.49		
		For >50 To 100, Deduct	-1.12		
		For >100, Deduct	-2.23		
05 05 23 00-0020	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.75		1.31
		For >10 To 50, Deduct	-0.54		
		For >50 To 100, Deduct	-1.26		
		For >100, Deduct	-2.52		
05 05 23 00-0021	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.50		1.38
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.37		
		For >100, Deduct	-2.74		
05 05 23 00-0022	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	28.03		1.44
		For >10 To 50, Deduct	-0.60		
		For >50 To 100, Deduct	-1.60		
		For >100, Deduct	-3.21		
05 05 23 00-0023	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.67		1.63
		For >10 To 50, Deduct	-0.68		
		For >50 To 100, Deduct	-1.84		
		For >100, Deduct	-3.67		
05 05 23 00-0024	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.55		1.74
		For >10 To 50, Deduct	-0.73		
		For >50 To 100, Deduct	-2.01		
		For >100, Deduct	-4.01		
05 05 23 00-0025		Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0009)</small>			
05 05 23 00-0026	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	10.94		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-0.96		
		For >100, Deduct	-1.92		
05 05 23 00-0027	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	11.62		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-0.97		
		For >100, Deduct	-1.95		
05 05 23 00-0028	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	12.36		1.10
		For >10 To 50, Deduct	-0.46		
		For >50 To 100, Deduct	-0.99		
		For >100, Deduct	-1.99		
05 05 23 00-0029	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	14.41		1.25
		For >10 To 50, Deduct	-0.52		
		For >50 To 100, Deduct	-1.14		
		For >100, Deduct	-2.28		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0030 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	13.86	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100, Deduct</i>	-2.06	
05 05 23 00-0031 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	17.19	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.42	
05 05 23 00-0032 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	22.05	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
05 05 23 00-0033 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	25.55	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-3.00	
05 05 23 00-0034 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	17.91	1.19
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.38	
05 05 23 00-0035 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	21.06	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100, Deduct</i>	-2.68	
05 05 23 00-0036 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	24.77	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100, Deduct</i>	-2.96	
05 05 23 00-0037 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	35.78	1.44
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100, Deduct</i>	-3.60	
05 05 23 00-0038 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	36.14	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.92	
<i>For >100, Deduct</i>	-3.85	
05 05 23 00-0039 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	44.57	1.74
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-2.21	
<i>For >100, Deduct</i>	-4.41	
05 05 23 00-0040 A325 High Strength Structural Bolts <small>(05 05 23 00-0008)</small>		
<i>Note: Includes A325 heavy hex nut and two structural washers.</i>		
05 05 23 00-0041 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0040)</small>		
<i>Note: Includes A325 heavy hex nut and structural washer.</i>		
05 05 23 00-0042 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.34	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.89	
05 05 23 00-0043 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	10.52	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.89	
05 05 23 00-0044 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.10	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.92	
05 05 23 00-0045 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.44	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.24	
05 05 23 00-0046 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.28	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.40	
05 05 23 00-0047 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.90	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 23 00-0048 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	14.29	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.28	
05 05 23 00-0049 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	16.04	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.44	
05 05 23 00-0050 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.26	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100, Deduct</i>	-2.68	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0051	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	13.66	1.19
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100, Deduct</i>	-2.17	
05 05 23 00-0052	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	16.35	1.31
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100, Deduct</i>	-2.45	
05 05 23 00-0053	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	18.43	1.38
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 23 00-0054	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	19.89	1.44
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100, Deduct</i>	-2.80	
05 05 23 00-0055	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	14.94	1.24
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.29	
05 05 23 00-0056	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	17.75	1.38
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.61	
05 05 23 00-0057	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	20.27	1.44
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100, Deduct</i>	-2.82	
05 05 23 00-0058	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	25.33	1.54
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.19	
05 05 23 00-0059	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	24.32	1.54
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.14	
05 05 23 00-0060	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	27.35	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.41	
05 05 23 00-0061	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	31.75	1.74
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.89	
			<i>For >100, Deduct</i>	-3.77	
05 05 23 00-0062	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	36.92	1.86
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-2.09	
			<i>For >100, Deduct</i>	-4.18	
05 05 23 00-0063			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0040)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0064	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	10.71	1.10
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0065	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	10.83	1.10
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.91	
05 05 23 00-0066	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	11.86	1.10
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.96	
05 05 23 00-0067	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	13.98	1.25
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.26	
05 05 23 00-0068	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	14.76	1.31
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0069	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	12.25	1.10
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.98	
05 05 23 00-0070	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	14.73	1.25
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.30	
05 05 23 00-0071	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	16.72	1.31
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0072 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	20.88	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 23 00-0073 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.76	1.19
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0074 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.59	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.26	
<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0075 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	19.93	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.36	
<i>For >100, Deduct</i>	-2.71	
05 05 23 00-0076 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	24.40	1.44
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100, Deduct</i>	-3.03	
05 05 23 00-0077 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.57	1.24
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0078 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	21.49	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.40	
<i>For >100, Deduct</i>	-2.79	
05 05 23 00-0079 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	23.40	1.44
<i>For >10 To 50, Deduct</i>	-0.60	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100, Deduct</i>	-2.98	
05 05 23 00-0080 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	29.19	1.54
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100, Deduct</i>	-3.38	
05 05 23 00-0081 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	29.03	1.54
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100, Deduct</i>	-3.37	
05 05 23 00-0082 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	30.95	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.79	
<i>For >100, Deduct</i>	-3.59	
05 05 23 00-0083 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	35.88	1.74
<i>For >10 To 50, Deduct</i>	-0.73	
<i>For >50 To 100, Deduct</i>	-1.99	
<i>For >100, Deduct</i>	-3.98	
05 05 23 00-0084 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	41.23	1.86
<i>For >10 To 50, Deduct</i>	-0.78	
<i>For >50 To 100, Deduct</i>	-2.20	
<i>For >100, Deduct</i>	-4.39	
05 05 23 00-0085 A490 High Strength Structural Bolts <small>(05 05 23 00-0085)</small>		
<i>Note: Includes A490 heavy hex nut and two structural washers.</i>		
05 05 23 00-0086 Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0086)</small>		
05 05 23 00-0087 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	11.39	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0088 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	15.40	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0089 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.41	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100, Deduct</i>	-2.45	
05 05 23 00-0090 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.50	1.10
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-1.00	
<i>For >100, Deduct</i>	-1.99	
05 05 23 00-0091 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	14.96	1.25
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100, Deduct</i>	-2.31	
05 05 23 00-0092 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	17.12	1.31
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.24	
<i>For >100, Deduct</i>	-2.49	
05 05 23 00-0093 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	21.37	1.38
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.79	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0094	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	14.33	1.19
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.20	
05 05 23 00-0095	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	16.56	1.31
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0096	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	22.84	1.38
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.86	
05 05 23 00-0097	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	16.53	1.24
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0098	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	19.54	1.38
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.35	
			<i>For >100, Deduct</i>	-2.69	
05 05 23 00-0099	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	22.20	1.44
			<i>For >10 To 50, Deduct</i>	-0.60	
			<i>For >50 To 100, Deduct</i>	-1.46	
			<i>For >100, Deduct</i>	-2.92	
05 05 23 00-0100	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	27.17	1.54
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.28	
05 05 23 00-0101	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	34.15	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.75	
05 05 23 00-0102	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	35.99	1.74
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.98	
05 05 23 00-0103	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	37.65	1.86
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.21	
05 05 23 00-0104			Hex Head Bolts <small>(05 05 23 00-0008)</small>		
05 05 23 00-0105			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0106			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0107	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.04	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0108	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.06	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0109	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.10	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0110	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.13	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0111	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.30	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0112	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.31	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0113	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.38	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0114	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.53	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0115	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.55	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0116 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.66	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0117 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.89	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0118 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0119 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.09	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0120 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.48	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0121 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.65	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0122 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.69	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0123 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0124 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0125 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.10	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0126 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.14	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0127 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.17	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0128 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.35	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0129 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0130 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.45	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0131 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.66	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0132 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.76	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0133 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.80	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0134 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0135 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.02	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0136 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.41	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0137	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.76	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0138	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.93	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0139	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.09	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0140			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05</small>		
			<small>23 00-0105)</small>		
05 05 23 00-0141	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.13	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0142	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.15	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0143	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.20	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0144	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.25	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0145	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.44	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0146	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.53	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0147	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.62	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0148	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.85	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0149	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	5.97	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0150	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.03	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0151	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.30	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0152	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0153	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.41	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0154	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.60	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0155	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.67	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0156	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	6.78	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	

05 05 23 00-0157 **7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05
23 00-0105)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0158 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.07	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0159 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.15	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0160 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.16	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0161 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0162 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0163 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.60	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0164 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0165 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.04	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0166 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0167 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0168 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0169 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0170 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0171 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0172 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.44	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0173 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0174 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.01	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0175 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0176 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0177 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0178 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.52	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0179	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.61	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0180	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0181	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0182	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0183	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0184	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0185	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0186	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.79	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0187	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.89	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0188	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0189	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.44	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0190	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0191	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0192	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0193			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0194	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0195	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.22	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0196	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.25	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0197	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.79	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0198	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.95	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0199	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0200 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0201 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.20	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0202 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.34	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0203 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0204 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0205 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0206 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.93	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0207 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.08	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0208 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0209 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0210 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0211 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0212 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.95	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0213 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0214 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0215 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0216 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0217 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.55	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0218 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0219 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0220 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0221	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.59	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0222	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0223	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0224	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0225	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.49	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0226	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0227	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0228	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0229	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.07	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0230	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.43	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0231	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0232	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.08	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0233	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>	7.35	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0235	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.51	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0236	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0237	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.99	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0238	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0239	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.43	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0240	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0241	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0242	EA			3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
				<i>For >100 To 250, Deduct</i>	-1.34	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0243	EA			3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
				<i>For >100 To 250, Deduct</i>	-1.37	
				<i>For >250 To 500, Deduct</i>	-1.71	
				<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0244	EA			3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
				<i>For >100 To 250, Deduct</i>	-1.37	
				<i>For >250 To 500, Deduct</i>	-1.71	
				<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0245	EA			3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
				<i>For >100 To 250, Deduct</i>	-1.37	
				<i>For >250 To 500, Deduct</i>	-1.71	
				<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0246	EA			3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.61	
				<i>For >100 To 250, Deduct</i>	-1.39	
				<i>For >250 To 500, Deduct</i>	-1.74	
				<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0247	EA			3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.43	
				<i>For >100 To 250, Deduct</i>	-1.39	
				<i>For >250 To 500, Deduct</i>	-1.74	
				<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0248	EA			3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.81	
				<i>For >100 To 250, Deduct</i>	-1.39	
				<i>For >250 To 500, Deduct</i>	-1.74	
				<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0249	EA			3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0250	EA			3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.84	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0251	EA			3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0252	EA			3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.85	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0253				7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
				<small>23 00-0105)</small>		
05 05 23 00-0254	EA			7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0255	EA			7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.05	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0256	EA			7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.11	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0257	EA			7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.45	
				<i>For >100 To 250, Deduct</i>	-1.45	
				<i>For >250 To 500, Deduct</i>	-1.82	
				<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0258	EA			7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.82	
				<i>For >100 To 250, Deduct</i>	-1.45	
				<i>For >250 To 500, Deduct</i>	-1.82	
				<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0259	EA			7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
				<i>For >100 To 250, Deduct</i>	-1.45	
				<i>For >250 To 500, Deduct</i>	-1.82	
				<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0260	EA			7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
				<i>For >100 To 250, Deduct</i>	-1.48	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0261	EA			7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
				<i>For >100 To 250, Deduct</i>	-1.48	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0262	EA			7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
				<i>For >100 To 250, Deduct</i>	-1.48	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500, Deduct</i>	-2.22	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0263	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0264	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.39	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0265	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.90	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0266	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0267	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.05	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0268	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.55	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0269	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.17	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0270	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.70	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0271	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.19	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0272	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.71	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0273			1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0274	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.53	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0275	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0276	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.18	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0277	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0278	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.56	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0279	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.39	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0280	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.03	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0281	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.69	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0282	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.16	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0283	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.48	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0284 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.03	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0285 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.73	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0286 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.27	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0287 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.85	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0288 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.44	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0289 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.09	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0290 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.66	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0291 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.23	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0292 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0293 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0294 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.08	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0295 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.10	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0296 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.13	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0297 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.18	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0298 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.37	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0299 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.45	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0300 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.55	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0301 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.76	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0302 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.88	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0303 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.96	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0304 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.19	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0305 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.27	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0306	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.34	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0307	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.59	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0308	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.69	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0309	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.80	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0310			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>	5.13	
05 05 23 00-0311	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.13	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0312	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.15	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0313	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.19	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0314	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.25	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0315	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.44	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0316	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.53	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0317	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.67	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0318	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.89	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0319	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.00	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0320	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.11	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0321	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.47	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0322	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.51	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0323	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.65	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0324	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.98	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0325	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.18	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0326	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.37	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0327 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0328 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.16	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0329 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.18	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0330 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.25	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0331 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.32	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0332 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.53	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0333 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.61	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0334 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.74	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0335 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.02	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0336 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.32	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0337 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.45	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0338 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.78	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0339 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.91	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0340 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.13	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0341 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.45	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0342 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.75	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0343 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.99	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0344 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0345 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.02	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-0346 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.08	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-0347 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.23	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-0348 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.49	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0349	EA		7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.60		
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0350	EA		7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.71		
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0351	EA		7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.98		
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0352	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....7.58		
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0353	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....7.84		
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0354	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.06		
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0355	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.18		
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0356	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.31		
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0357	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.62		
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0358	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.80		
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0359	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....8.97		
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0360			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0292)		
05 05 23 00-0361	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.10		
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0362	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.18		
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0363	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.27		
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0364	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.55		
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0365	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.69		
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0366	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....6.83		
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0367	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....7.10		
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0368	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....7.56		
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0369	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....7.59		
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0370 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.05	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0371 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.23	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0372 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.69	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0373 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.25	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0374 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.52	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0375 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.61	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0376 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.24	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0377 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.70	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0378 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.35	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0379 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.59	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0380 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0381 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0382 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.50	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0383 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.64	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0384 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.93	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0385 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.12	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0386 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.32	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0387 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.70	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0388 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.52	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0389 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.72	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0390 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.10	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.32	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0392	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.07	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0393	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.14	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0394	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.44	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0395	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.96	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0396	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.60	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0397	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.79	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0398	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.97	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0399	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.44	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0400			5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0292)		
05 05 23 00-0401	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.22	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0402	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.27	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0403	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.32	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0404	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.60	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0405	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.85	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0406	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.07	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0407	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.45	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0408	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.88	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0409	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.11	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0410	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.37	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0411	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.75	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0412	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		10.34	
	<i>For >100 To 250, Deduct</i>		-1.37	
	<i>For >250 To 500, Deduct</i>		-1.71	
	<i>For >500, Deduct</i>		-2.05	
05 05 23 00-0413	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.02	
	<i>For >100 To 250, Deduct</i>		-1.39	
	<i>For >250 To 500, Deduct</i>		-1.74	
	<i>For >500, Deduct</i>		-2.09	
05 05 23 00-0414	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.51	
	<i>For >100 To 250, Deduct</i>		-1.39	
	<i>For >250 To 500, Deduct</i>		-1.74	
	<i>For >500, Deduct</i>		-2.09	
05 05 23 00-0415	EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.58	
	<i>For >100 To 250, Deduct</i>		-1.39	
	<i>For >250 To 500, Deduct</i>		-1.74	
	<i>For >500, Deduct</i>		-2.09	
05 05 23 00-0416	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		12.61	
	<i>For >100 To 250, Deduct</i>		-1.42	
	<i>For >250 To 500, Deduct</i>		-1.78	
	<i>For >500, Deduct</i>		-2.13	
05 05 23 00-0417	EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		13.27	
	<i>For >100 To 250, Deduct</i>		-1.42	
	<i>For >250 To 500, Deduct</i>		-1.78	
	<i>For >500, Deduct</i>		-2.13	
05 05 23 00-0418	EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		14.23	
	<i>For >100 To 250, Deduct</i>		-1.42	
	<i>For >250 To 500, Deduct</i>		-1.78	
	<i>For >500, Deduct</i>		-2.13	
05 05 23 00-0419	EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		14.57	
	<i>For >100 To 250, Deduct</i>		-1.42	
	<i>For >250 To 500, Deduct</i>		-1.78	
	<i>For >500, Deduct</i>		-2.13	
05 05 23 00-0420	3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>			
05 05 23 00-0421	EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		7.77	
	<i>For >100 To 250, Deduct</i>		-1.28	
	<i>For >250 To 500, Deduct</i>		-1.60	
	<i>For >500, Deduct</i>		-1.92	
05 05 23 00-0422	EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		7.87	
	<i>For >100 To 250, Deduct</i>		-1.28	
	<i>For >250 To 500, Deduct</i>		-1.60	
	<i>For >500, Deduct</i>		-1.92	
05 05 23 00-0423	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		7.93	
	<i>For >100 To 250, Deduct</i>		-1.28	
	<i>For >250 To 500, Deduct</i>		-1.60	
	<i>For >500, Deduct</i>		-1.92	
05 05 23 00-0424	EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		8.27	
	<i>For >100 To 250, Deduct</i>		-1.31	
	<i>For >250 To 500, Deduct</i>		-1.64	
	<i>For >500, Deduct</i>		-1.97	
05 05 23 00-0425	EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		8.52	
	<i>For >100 To 250, Deduct</i>		-1.31	
	<i>For >250 To 500, Deduct</i>		-1.64	
	<i>For >500, Deduct</i>		-1.97	
05 05 23 00-0426	EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		8.90	
	<i>For >100 To 250, Deduct</i>		-1.31	
	<i>For >250 To 500, Deduct</i>		-1.64	
	<i>For >500, Deduct</i>		-1.97	
05 05 23 00-0427	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		9.29	
	<i>For >100 To 250, Deduct</i>		-1.34	
	<i>For >250 To 500, Deduct</i>		-1.67	
	<i>For >500, Deduct</i>		-2.01	
05 05 23 00-0428	EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		9.53	
	<i>For >100 To 250, Deduct</i>		-1.34	
	<i>For >250 To 500, Deduct</i>		-1.67	
	<i>For >500, Deduct</i>		-2.01	
05 05 23 00-0429	EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		10.04	
	<i>For >100 To 250, Deduct</i>		-1.34	
	<i>For >250 To 500, Deduct</i>		-1.67	
	<i>For >500, Deduct</i>		-2.01	
05 05 23 00-0430	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		10.41	
	<i>For >100 To 250, Deduct</i>		-1.37	
	<i>For >250 To 500, Deduct</i>		-1.71	
	<i>For >500, Deduct</i>		-2.05	
05 05 23 00-0431	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		10.83	
	<i>For >100 To 250, Deduct</i>		-1.37	
	<i>For >250 To 500, Deduct</i>		-1.71	
	<i>For >500, Deduct</i>		-2.05	
05 05 23 00-0432	EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt		11.35	
	<i>For >100 To 250, Deduct</i>		-1.37	
	<i>For >250 To 500, Deduct</i>		-1.71	
	<i>For >500, Deduct</i>		-2.05	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0433	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.21	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0434	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.75	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0435	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.05	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0436	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.98	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0437	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.25	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0438	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.13	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0439	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.35	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0440			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0441	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.17	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0442	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.29	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0443	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.46	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0444	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.77	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0445	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.27	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0446	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.60	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0447	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.99	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0448	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.58	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0449	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0450	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.37	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0451	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.74	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0452	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.31	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0453	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.02	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0454	EA			7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.71	
				<i>For >100 To 250, Deduct</i>	-1.54	
				<i>For >250 To 500, Deduct</i>	-1.92	
				<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0455	EA			7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.75	
				<i>For >100 To 250, Deduct</i>	-1.54	
				<i>For >250 To 500, Deduct</i>	-1.92	
				<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0456	EA			7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.89	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0457	EA			7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.57	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0458	EA			7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.14	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0459	EA			7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.72	
				<i>For >100 To 250, Deduct</i>	-1.57	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0460				1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0461	EA			1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.27	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0462	EA			1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.31	
				<i>For >100 To 250, Deduct</i>	-1.42	
				<i>For >250 To 500, Deduct</i>	-1.78	
				<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0463	EA			1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.83	
				<i>For >100 To 250, Deduct</i>	-1.45	
				<i>For >250 To 500, Deduct</i>	-1.82	
				<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0464	EA			1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.31	
				<i>For >100 To 250, Deduct</i>	-1.45	
				<i>For >250 To 500, Deduct</i>	-1.82	
				<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0465	EA			1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.66	
				<i>For >100 To 250, Deduct</i>	-1.45	
				<i>For >250 To 500, Deduct</i>	-1.82	
				<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0466	EA			1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.26	
				<i>For >100 To 250, Deduct</i>	-1.48	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0467	EA			1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.83	
				<i>For >100 To 250, Deduct</i>	-1.48	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0468	EA			1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.64	
				<i>For >100 To 250, Deduct</i>	-1.48	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0469	EA			1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.37	
				<i>For >100 To 250, Deduct</i>	-1.51	
				<i>For >250 To 500, Deduct</i>	-1.89	
				<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0470	EA			1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.54	
				<i>For >100 To 250, Deduct</i>	-1.51	
				<i>For >250 To 500, Deduct</i>	-1.89	
				<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0471	EA			1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.68	
				<i>For >100 To 250, Deduct</i>	-1.51	
				<i>For >250 To 500, Deduct</i>	-1.89	
				<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0472	EA			1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.55	
				<i>For >100 To 250, Deduct</i>	-1.54	
				<i>For >250 To 500, Deduct</i>	-1.92	
				<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0473	EA			1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.77	
				<i>For >100 To 250, Deduct</i>	-1.54	
				<i>For >250 To 500, Deduct</i>	-1.92	
				<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0474	EA			1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.11	
				<i>For >100 To 250, Deduct</i>	-1.54	
				<i>For >250 To 500, Deduct</i>	-1.92	
				<i>For >500, Deduct</i>	-2.31	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0475 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.15	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0476 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.45	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0477 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.29	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0478 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.86	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0479 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0104)		
05 05 23 00-0480 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0479)		
05 05 23 00-0481 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.09	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0482 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.15	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0483 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.18	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0484 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.24	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0485 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.42	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0486 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.49	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0487 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.55	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0488 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.70	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0489 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.89	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0490 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.06	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0491 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.30	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0492 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.40	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0493 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.52	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0494 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.75	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0495 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.98	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0496 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.09	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0497	5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0498	EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.14	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0499	EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.17	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0500	EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.29	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0501	EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.31	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0502	EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.51	
	<i>For >100 To 250, Deduct</i>	-1.02	
	<i>For >250 To 500, Deduct</i>	-1.28	
	<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0503	EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.68	
	<i>For >100 To 250, Deduct</i>	-1.02	
	<i>For >250 To 500, Deduct</i>	-1.28	
	<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0504	EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.73	
	<i>For >100 To 250, Deduct</i>	-1.02	
	<i>For >250 To 500, Deduct</i>	-1.28	
	<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0505	EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.96	
	<i>For >100 To 250, Deduct</i>	-1.05	
	<i>For >250 To 500, Deduct</i>	-1.32	
	<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0506	EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.07	
	<i>For >100 To 250, Deduct</i>	-1.05	
	<i>For >250 To 500, Deduct</i>	-1.32	
	<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0507	EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.31	
	<i>For >100 To 250, Deduct</i>	-1.05	
	<i>For >250 To 500, Deduct</i>	-1.32	
	<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0508	EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.60	
	<i>For >100 To 250, Deduct</i>	-1.08	
	<i>For >250 To 500, Deduct</i>	-1.35	
	<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0509	EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.69	
	<i>For >100 To 250, Deduct</i>	-1.08	
	<i>For >250 To 500, Deduct</i>	-1.35	
	<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0510	EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.83	
	<i>For >100 To 250, Deduct</i>	-1.08	
	<i>For >250 To 500, Deduct</i>	-1.35	
	<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0511	EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.08	
	<i>For >100 To 250, Deduct</i>	-1.11	
	<i>For >250 To 500, Deduct</i>	-1.39	
	<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0512	EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.19	
	<i>For >100 To 250, Deduct</i>	-1.11	
	<i>For >250 To 500, Deduct</i>	-1.39	
	<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0513	EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.39	
	<i>For >100 To 250, Deduct</i>	-1.11	
	<i>For >250 To 500, Deduct</i>	-1.39	
	<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0514	3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0515	EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.26	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0516	EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.27	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0517	EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.28	
	<i>For >100 To 250, Deduct</i>	-1.00	
	<i>For >250 To 500, Deduct</i>	-1.25	
	<i>For >500, Deduct</i>	-1.49	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0518	EA		3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.41	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0519	EA		3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.63	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0520	EA		3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.76	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0521	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0522	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.39	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0523	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.54	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0524	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.57	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0525	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.78	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0526	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.95	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0527	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.68	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0528	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.00	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0529	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.34	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0530	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.11	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0531			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0532	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.11	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0533	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.13	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0534	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.33	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0535	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.49	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0536	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.72	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0537	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.85	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0538	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.02	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0539 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.53	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0540 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.94	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0541 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.35	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0542 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.49	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0543 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.70	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0544 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.16	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0545 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.84	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0546 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.89	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0547 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0479)		
05 05 23 00-0548 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.24	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0549 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.39	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0550 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.49	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0551 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0552 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.89	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0553 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0554 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.67	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0555 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.88	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0556 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.04	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0557 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.45	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0558 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.92	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0559 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.36	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0560	EA		1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.88	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0561	EA		1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.07	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0562	EA		1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.61	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0563	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.66	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0564	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.05	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0565	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.25	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0566	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.22	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0567			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>	6.38	
05 05 23 00-0568	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.38	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0569	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.47	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0570	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.68	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0571	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.13	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0572	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.20	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0573	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.51	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0574	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.86	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0575	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.86	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0576	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.06	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0577	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.35	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0578	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.79	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0579	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.43	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0580	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.50	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0581 EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.88	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0582 EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.46	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0583 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0584 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.41	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0585 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.51	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0586 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.74	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0587 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.21	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0588 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.49	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0589 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.64	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0590 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.89	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0591 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.38	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0592 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.60	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0593 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.97	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0594 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.21	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0595 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.69	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0596 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.99	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0597 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.54	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0598 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.77	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0599 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.90	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0600 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.99	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0601 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.07	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0602	EA		5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.08	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0603			3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0479)		
05 05 23 00-0604	EA		3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.93	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0605	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.03	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0606	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.10	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0607	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.38	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0608	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.58	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0609	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.17	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0610	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.56	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0611	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.61	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0612	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.42	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0613	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.85	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0614	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.27	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0615	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.06	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0616	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.16	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0617	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.58	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0618	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.79	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0619	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.97	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0620	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.73	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0621	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.28	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0622	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.49	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0623	7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>			
05 05 23 00-0624	EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.06	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.78	
	For >500, Deduct		-2.13	
05 05 23 00-0625	EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.32	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.78	
	For >500, Deduct		-2.13	
05 05 23 00-0626	EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.85	
	For >100 To 250, Deduct		-1.45	
	For >250 To 500, Deduct		-1.82	
	For >500, Deduct		-2.18	
05 05 23 00-0627	EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		11.63	
	For >100 To 250, Deduct		-1.45	
	For >250 To 500, Deduct		-1.82	
	For >500, Deduct		-2.18	
05 05 23 00-0628	EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		11.72	
	For >100 To 250, Deduct		-1.45	
	For >250 To 500, Deduct		-1.82	
	For >500, Deduct		-2.18	
05 05 23 00-0629	EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		12.04	
	For >100 To 250, Deduct		-1.48	
	For >250 To 500, Deduct		-1.85	
	For >500, Deduct		-2.22	
05 05 23 00-0630	EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		13.92	
	For >100 To 250, Deduct		-1.48	
	For >250 To 500, Deduct		-1.85	
	For >500, Deduct		-2.22	
05 05 23 00-0631	EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		14.40	
	For >100 To 250, Deduct		-1.48	
	For >250 To 500, Deduct		-1.85	
	For >500, Deduct		-2.22	
05 05 23 00-0632	EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		15.66	
	For >100 To 250, Deduct		-1.51	
	For >250 To 500, Deduct		-1.89	
	For >500, Deduct		-2.27	
05 05 23 00-0633	EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		16.36	
	For >100 To 250, Deduct		-1.51	
	For >250 To 500, Deduct		-1.89	
	For >500, Deduct		-2.27	
05 05 23 00-0634	EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		18.19	
	For >100 To 250, Deduct		-1.51	
	For >250 To 500, Deduct		-1.89	
	For >500, Deduct		-2.27	
05 05 23 00-0635	EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		18.93	
	For >100 To 250, Deduct		-1.54	
	For >250 To 500, Deduct		-1.92	
	For >500, Deduct		-2.31	
05 05 23 00-0636	EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		20.81	
	For >100 To 250, Deduct		-1.54	
	For >250 To 500, Deduct		-1.92	
	For >500, Deduct		-2.31	
05 05 23 00-0637	EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		21.57	
	For >100 To 250, Deduct		-1.54	
	For >250 To 500, Deduct		-1.92	
	For >500, Deduct		-2.31	
05 05 23 00-0638	EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		22.31	
	For >100 To 250, Deduct		-1.57	
	For >250 To 500, Deduct		-1.96	
	For >500, Deduct		-2.35	
05 05 23 00-0639	EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		22.53	
	For >100 To 250, Deduct		-1.57	
	For >250 To 500, Deduct		-1.96	
	For >500, Deduct		-2.35	
05 05 23 00-0640	EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		22.72	
	For >100 To 250, Deduct		-1.57	
	For >250 To 500, Deduct		-1.96	
	For >500, Deduct		-2.35	
05 05 23 00-0641	EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		23.17	
	For >100 To 250, Deduct		-1.57	
	For >250 To 500, Deduct		-1.96	
	For >500, Deduct		-2.35	
05 05 23 00-0642	1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>			
05 05 23 00-0643	EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		10.80	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.78	
	For >500, Deduct		-2.13	
05 05 23 00-0644	EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....		11.45	
	For >100 To 250, Deduct		-1.42	
	For >250 To 500, Deduct		-1.78	
	For >500, Deduct		-2.13	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0645	EA		1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.89	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0646	EA		1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.38	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0647	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.29	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0648	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.68	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0649	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.47	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0650	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.52	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0651	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.15	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0652	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.59	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0653	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.79	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0654	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.27	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0655	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.75	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0656	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.18	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0657	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.64	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0658	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.36	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0659	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.25	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0660	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.41	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0661			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0662			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0663	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.17	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0664	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.18	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0665	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.19	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0666 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.32	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0667 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.53	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0668 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.61	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0669 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.64	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0670 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.79	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0671 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.88	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0672 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.91	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.32	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0673 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.12	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0674 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.21	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0675 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.23	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0676 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.46	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0677 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.68	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0678 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.97	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0679 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0680 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.11	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0681 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.37	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0682 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.39	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0683 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.40	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.25	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0684 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.66	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0685 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.90	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0686 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.94	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.54	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0687	EA		5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.15	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0688	EA		5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.18	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0689	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.37	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0690	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.57	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0691	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.65	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0692	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.83	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0693	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.36	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0694	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.66	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0695	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.94	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0696			3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0697	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.19	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0698	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.25	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0699	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.31	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0700	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.47	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0701	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.68	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0702	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.81	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0703	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.90	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0704	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.17	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0705	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.24	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0706	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.39	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0707	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.61	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0708 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.83	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0709 EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.87	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0710 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.03	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0711 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.05	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0712 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.31	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.67	
05 05 23 00-0713 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0714 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.30	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0715 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.58	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0716 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.80	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0717 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.30	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0718 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.32	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0719 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.34	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0720 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.66	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0721 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.86	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0722 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.04	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0723 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.38	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0724 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.60	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0725 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0726 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.17	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0727 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.26	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0728 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.45	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0729	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.80	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0730	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0731	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.20	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0732	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0733	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.49	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0734	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.70	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0735	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.94	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0736	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0737	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.19	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0738	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0739	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.44	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0740	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.62	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0741	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0742	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.75	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0743	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0744	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0745			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0746	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.21	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0747	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0748	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.45	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0749	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.75	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0750 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.96	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0751 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.43	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0752 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.64	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0753 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.72	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0754 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0755 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.19	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0756 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0757 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.84	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0758 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.01	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0759 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.85	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0760 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.09	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0761 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.59	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0762 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.99	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0763 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0764 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.96	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0765 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0766 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.89	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0767 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.93	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0768 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.10	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0769 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0770 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.28	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0771	EA		3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0772	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0773	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0774	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.19	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0775	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0776	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0777	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.18	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0778	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0779	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0780	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0781	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.55	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0782	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.79	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0783	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.92	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0784	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.99	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	

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

05 05 23 00-0786	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0787	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0788	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.52	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0789	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.92	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0790	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.14	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0791	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.55	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792 EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0793 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.22	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0794 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.63	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0795 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.92	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0796 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0797 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.70	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0798 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.24	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0799 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.37	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0800 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.65	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0801 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.95	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0802 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.33	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0803 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.68	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0804 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0805 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0806 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0807 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0808 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.97	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0809 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.03	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0810 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.23	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0811 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.81	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0812 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.01	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0813	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.23	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0814	EA		1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.22	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0815	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.73	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0816	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.57	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0817	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.39	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0818	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.78	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0819	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.45	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0820	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.95	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0821	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.71	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0822			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0823			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0824	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.12	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0825	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.17	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0826	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.24	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0827	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.31	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0828	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.53	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0829	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.64	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0830	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.77	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-0831	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.00	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0832	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.16	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0833	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.30	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0834	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.57	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0835	EA			1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....6.81 <i>For >100 To 250, Deduct</i> -1.08 <i>For >250 To 500, Deduct</i> -1.35 <i>For >500, Deduct</i> -1.62		
05 05 23 00-0836	EA			1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.69 <i>For >100 To 250, Deduct</i> -1.08 <i>For >250 To 500, Deduct</i> -1.35 <i>For >500, Deduct</i> -1.62		
05 05 23 00-0837	EA			1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.24 <i>For >100 To 250, Deduct</i> -1.11 <i>For >250 To 500, Deduct</i> -1.39 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0838	EA			1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.37 <i>For >100 To 250, Deduct</i> -1.11 <i>For >250 To 500, Deduct</i> -1.39 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0839	EA			1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.70 <i>For >100 To 250, Deduct</i> -1.11 <i>For >250 To 500, Deduct</i> -1.39 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0840				5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0841	EA			5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....5.22 <i>For >100 To 250, Deduct</i> -1.00 <i>For >250 To 500, Deduct</i> -1.25 <i>For >500, Deduct</i> -1.49		
05 05 23 00-0842	EA			5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....5.27 <i>For >100 To 250, Deduct</i> -1.00 <i>For >250 To 500, Deduct</i> -1.25 <i>For >500, Deduct</i> -1.49		
05 05 23 00-0843	EA			5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....5.37 <i>For >100 To 250, Deduct</i> -1.00 <i>For >250 To 500, Deduct</i> -1.25 <i>For >500, Deduct</i> -1.49		
05 05 23 00-0844	EA			5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....5.45 <i>For >100 To 250, Deduct</i> -1.00 <i>For >250 To 500, Deduct</i> -1.25 <i>For >500, Deduct</i> -1.49		
05 05 23 00-0845	EA			5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....5.74 <i>For >100 To 250, Deduct</i> -1.02 <i>For >250 To 500, Deduct</i> -1.28 <i>For >500, Deduct</i> -1.54		
05 05 23 00-0846	EA			5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....5.80 <i>For >100 To 250, Deduct</i> -1.02 <i>For >250 To 500, Deduct</i> -1.28 <i>For >500, Deduct</i> -1.54		
05 05 23 00-0847	EA			5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....6.06 <i>For >100 To 250, Deduct</i> -1.02 <i>For >250 To 500, Deduct</i> -1.28 <i>For >500, Deduct</i> -1.54		
05 05 23 00-0848	EA			5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....6.39 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.32 <i>For >500, Deduct</i> -1.58		
05 05 23 00-0849	EA			5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....6.69 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.32 <i>For >500, Deduct</i> -1.58		
05 05 23 00-0850	EA			5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....6.84 <i>For >100 To 250, Deduct</i> -1.05 <i>For >250 To 500, Deduct</i> -1.32 <i>For >500, Deduct</i> -1.58		
05 05 23 00-0851	EA			5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....7.45 <i>For >100 To 250, Deduct</i> -1.08 <i>For >250 To 500, Deduct</i> -1.35 <i>For >500, Deduct</i> -1.62		
05 05 23 00-0852	EA			5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.20 <i>For >100 To 250, Deduct</i> -1.08 <i>For >250 To 500, Deduct</i> -1.35 <i>For >500, Deduct</i> -1.62		
05 05 23 00-0853	EA			5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.91 <i>For >100 To 250, Deduct</i> -1.08 <i>For >250 To 500, Deduct</i> -1.35 <i>For >500, Deduct</i> -1.62		
05 05 23 00-0854	EA			5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.83 <i>For >100 To 250, Deduct</i> -1.11 <i>For >250 To 500, Deduct</i> -1.39 <i>For >500, Deduct</i> -1.67		
05 05 23 00-0855				3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0856 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.35	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0857 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.41	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0858 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.57	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0859 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.78	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0860 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.02	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0861 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.18	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0862 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.40	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-0863 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.74	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0864 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.99	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0865 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.56	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-0866 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.77	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0867 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.24	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0868 EA 3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.23	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0869 EA 3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.61	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0870 EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.75	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0871 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.74	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-0872 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0822)		
05 05 23 00-0873 EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.59	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-0874 EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.66	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-0875 EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	6.92	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-0876 EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.22	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0877 EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.54	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0878 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.06	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0879 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.44	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0880 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0881 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.32	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0882 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.30	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0883 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.24	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0884 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.37	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0885 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.62	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0886 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>	6.58	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0888 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.66	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0889 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.07	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.43	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0890 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.38	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0891 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.75	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0892 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.96	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0893 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.34	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0894 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.52	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0895 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.50	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0896 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.92	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0897 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.36	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0898	EA		1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.86	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0899	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.74	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0900	EA		1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.04	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0901	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.52	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-0902	EA		1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.97	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0903	EA		1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.16	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0904	EA		1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.47	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0905	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.77	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0906			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0907	EA		9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.74	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0908	EA		9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.60	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0909	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.10	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0910	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.54	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0911	EA		9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.07	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0912	EA		9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.00	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-0913	EA		9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.51	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0914	EA		9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.72	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0915	EA		9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.68	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0916	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.74	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-0917	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.80	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	

05 05 23 00-0918 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0822)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0919 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.02 <i>For >100 To 250, Deduct</i> -1.28 <i>For >250 To 500, Deduct</i> -1.60 <i>For >500, Deduct</i> -1.92		
05 05 23 00-0920 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.22 <i>For >100 To 250, Deduct</i> -1.28 <i>For >250 To 500, Deduct</i> -1.60 <i>For >500, Deduct</i> -1.92		
05 05 23 00-0921 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.03 <i>For >100 To 250, Deduct</i> -1.28 <i>For >250 To 500, Deduct</i> -1.60 <i>For >500, Deduct</i> -1.92		
05 05 23 00-0922 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.31 <i>For >100 To 250, Deduct</i> -1.31 <i>For >250 To 500, Deduct</i> -1.64 <i>For >500, Deduct</i> -1.97		
05 05 23 00-0923 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.70 <i>For >100 To 250, Deduct</i> -1.31 <i>For >250 To 500, Deduct</i> -1.64 <i>For >500, Deduct</i> -1.97		
05 05 23 00-0924 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.25 <i>For >100 To 250, Deduct</i> -1.31 <i>For >250 To 500, Deduct</i> -1.64 <i>For >500, Deduct</i> -1.97		
05 05 23 00-0925 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.09 <i>For >100 To 250, Deduct</i> -1.34 <i>For >250 To 500, Deduct</i> -1.67 <i>For >500, Deduct</i> -2.01		
05 05 23 00-0926 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.10 <i>For >100 To 250, Deduct</i> -1.34 <i>For >250 To 500, Deduct</i> -1.67 <i>For >500, Deduct</i> -2.01		
05 05 23 00-0927 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.72 <i>For >100 To 250, Deduct</i> -1.34 <i>For >250 To 500, Deduct</i> -1.67 <i>For >500, Deduct</i> -2.01		
05 05 23 00-0928 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.21 <i>For >100 To 250, Deduct</i> -1.37 <i>For >250 To 500, Deduct</i> -1.71 <i>For >500, Deduct</i> -2.05		
05 05 23 00-0929 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.78 <i>For >100 To 250, Deduct</i> -1.37 <i>For >250 To 500, Deduct</i> -1.71 <i>For >500, Deduct</i> -2.05		
05 05 23 00-0930 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....14.83 <i>For >100 To 250, Deduct</i> -1.37 <i>For >250 To 500, Deduct</i> -1.71 <i>For >500, Deduct</i> -2.05		
05 05 23 00-0931 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....16.10 <i>For >100 To 250, Deduct</i> -1.39 <i>For >250 To 500, Deduct</i> -1.74 <i>For >500, Deduct</i> -2.09		
05 05 23 00-0932 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....17.03 <i>For >100 To 250, Deduct</i> -1.39 <i>For >250 To 500, Deduct</i> -1.74 <i>For >500, Deduct</i> -2.09		
05 05 23 00-0933 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....17.45 <i>For >100 To 250, Deduct</i> -1.39 <i>For >250 To 500, Deduct</i> -1.74 <i>For >500, Deduct</i> -2.09		
05 05 23 00-0934 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....19.31 <i>For >100 To 250, Deduct</i> -1.42 <i>For >250 To 500, Deduct</i> -1.78 <i>For >500, Deduct</i> -2.13		
05 05 23 00-0935 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....19.85 <i>For >100 To 250, Deduct</i> -1.42 <i>For >250 To 500, Deduct</i> -1.78 <i>For >500, Deduct</i> -2.13		
05 05 23 00-0936 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....22.30 <i>For >100 To 250, Deduct</i> -1.42 <i>For >250 To 500, Deduct</i> -1.78 <i>For >500, Deduct</i> -2.13		
05 05 23 00-0937 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....23.30 <i>For >100 To 250, Deduct</i> -1.42 <i>For >250 To 500, Deduct</i> -1.78 <i>For >500, Deduct</i> -2.13		
05 05 23 00-0938 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0822)		
05 05 23 00-0939 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.91 <i>For >100 To 250, Deduct</i> -1.28 <i>For >250 To 500, Deduct</i> -1.60 <i>For >500, Deduct</i> -1.92		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0940	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.30	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0941	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.80	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-0942	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.49	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0943	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.04	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0944	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.98	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-0945	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.67	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0946	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.55	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0947	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.24	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-0948	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.10	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0949	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.91	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0950	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.43	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0951	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.62	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0952	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.91	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0953	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.67	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-0954	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.93	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0955	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	26.37	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0956	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.55	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0957	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	28.45	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0958			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0922)		
05 05 23 00-0959	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.01	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0960	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.97	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0961 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.84	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0962 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.81	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0963 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.13	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0964 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.07	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0965 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.38	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0966 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.49	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-0967 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.94	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0968 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.75	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0969 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.21	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-0970 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.07	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0971 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.07	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0972 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.68	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-0973 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.72	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0974 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.64	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0975 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.45	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0976 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.26	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-0977 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0922)</small>		
05 05 23 00-0978 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.33	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0979 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.02	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-0980 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.21	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-0981 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.08	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0982 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.52	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.18	
05 05 23 00-0983 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.29	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.22	
05 05 23 00-0984 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.30	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.22	
05 05 23 00-0985 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.79	
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.22	
05 05 23 00-0986 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.32	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0987 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.40	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0988 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.39	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.27	
05 05 23 00-0989 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.57	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0990 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.31	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0991 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.07	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-1.92	
For >500, Deduct	-2.31	
05 05 23 00-0992 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.71	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0993 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.01	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0994 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.45	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0995 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	61.63	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.35	
05 05 23 00-0996 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0104)		
05 05 23 00-0997 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)		
05 05 23 00-0998 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.22	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-0999 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.33	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1000 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.41	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1001 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.47	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1002 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.76	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-1003 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	5.91	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1004	EA		1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.05	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-1005	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	6.30	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1006	EA		1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.42	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1007	EA		1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	6.48	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1008	EA		1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.99	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1009	EA		1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	7.09	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1010	EA		1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.75	
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1011	EA		1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	15.33	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1012	EA		1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.10	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1013	EA		1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	27.32	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.67	
05 05 23 00-1014			5/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1015	EA		5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.37	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1016	EA		5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.50	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1017	EA		5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.71	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1018	EA		5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.86	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1019	EA		5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.07	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-1020	EA		5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	6.40	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-1021	EA		5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.62	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.54	
05 05 23 00-1022	EA		5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	6.86	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1023	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.34	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1024	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	7.44	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.58	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1025 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.92	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-1026 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	8.30	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-1027 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.41	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-1028 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	15.98	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-1029 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)		
05 05 23 00-1030 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.70	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1031 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.75	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1032 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.95	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1033 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.41	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.49	
05 05 23 00-1034 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.72	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-1035 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	6.80	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-1036 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.20	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.54	
05 05 23 00-1037 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	7.40	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-1038 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.66	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-1039 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	7.83	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.32	
For >500, Deduct	-1.58	
05 05 23 00-1040 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.55	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-1041 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	9.23	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-1042 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.26	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-1043 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	11.14	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-1044 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.96	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	
05 05 23 00-1045 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	17.00	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.39	
For >500, Deduct	-1.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1046 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1047 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	7.20	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-1048 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.49	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-1049 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.04	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-1050 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.65	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	
05 05 23 00-1051 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.18	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	
05 05 23 00-1052 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.04	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	
05 05 23 00-1053 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	11.00	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.79	
05 05 23 00-1054 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.16	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.79	
05 05 23 00-1055 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.47	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.79	
05 05 23 00-1056 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.82	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-1057 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	12.04	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-1058 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.27	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.84	
05 05 23 00-1059 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	12.59	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.57	
For >500, Deduct	-1.88	
05 05 23 00-1060 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1061 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	7.18	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-1062 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.50	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-1063 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.94	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.43	
For >500, Deduct	-1.71	
05 05 23 00-1064 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.61	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	
05 05 23 00-1065 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.10	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	
05 05 23 00-1066 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.22	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.46	
For >500, Deduct	-1.75	
05 05 23 00-1067 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	9.56	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-1.79	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1068	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.50	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1069	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	12.40	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1070	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.68	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1071	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	12.98	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1072	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.34	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1073	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	17.05	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1074	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.07	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1075	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	19.76	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-1.88	
05 05 23 00-1076	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	24.37	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1077	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	27.25	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1078	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	27.73	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1079	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	28.46	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1080			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>	15.08	
05 05 23 00-1081	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	15.08	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1082	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.11	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1083	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.58	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1084	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	21.66	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-1085	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	23.70	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-1086	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	25.75	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.46	
			<i>For >500, Deduct</i>	-1.75	
05 05 23 00-1087	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	27.17	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1088	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	28.86	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1089 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	30.36	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1090 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.94	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1091 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	32.26	
<i>For >100 To 250, Deduct</i>	-1.22	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-1.84	
05 05 23 00-1092 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1093 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	9.50	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1094 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.59	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1095 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.62	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1096 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.35	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-1097 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.96	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-1098 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.89	
<i>For >100 To 250, Deduct</i>	-1.31	
<i>For >250 To 500, Deduct</i>	-1.64	
<i>For >500, Deduct</i>	-1.97	
05 05 23 00-1099 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	13.43	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-1100 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.12	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-1101 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	15.71	
<i>For >100 To 250, Deduct</i>	-1.34	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.01	
05 05 23 00-1102 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.95	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1103 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	17.43	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1104 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.39	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1105 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	21.59	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1106 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.97	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1107 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	23.35	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1108 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.73	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1109 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	25.91	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1110	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	31.49	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1111	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	37.45	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1112			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1113	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.85	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1114	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.06	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1115	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.86	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.92	
05 05 23 00-1116	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.71	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-1117	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	15.21	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-1118	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.07	
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-1.64	
			<i>For >500, Deduct</i>	-1.97	
05 05 23 00-1119	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	18.07	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-1120	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.83	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-1121	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.25	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.01	
05 05 23 00-1122	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.95	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1123	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.91	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1124	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	23.87	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1125	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	28.29	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1126	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	31.61	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1127	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	32.12	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.09	
05 05 23 00-1128	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	34.26	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1129	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	39.31	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1130	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	39.73	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1131 EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	40.80	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1132 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)		
05 05 23 00-1133 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.31	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1134 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	14.70	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1135 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.61	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-1136 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	17.55	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-1137 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.42	
<i>For >100 To 250, Deduct</i>	-1.45	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.18	
05 05 23 00-1138 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	19.33	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-1139 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.51	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-1140 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	23.16	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.22	
05 05 23 00-1141 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.37	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-1142 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	24.25	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-1143 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.65	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-1.89	
<i>For >500, Deduct</i>	-2.27	
05 05 23 00-1144 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	35.07	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1145 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.58	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1146 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	40.31	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-1.92	
<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1147 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.71	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1148 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	44.21	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1149 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.71	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1150 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	47.39	
<i>For >100 To 250, Deduct</i>	-1.57	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1151 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1152	EA		1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.37	
			<i>For >100 To 250, Deduct</i>	-1.42	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.13	
05 05 23 00-1153	EA		1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.65	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-1154	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	20.08	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-1155	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.37	
			<i>For >100 To 250, Deduct</i>	-1.45	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.18	
05 05 23 00-1156	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	23.34	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-1157	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.89	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-1158	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	26.46	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500, Deduct</i>	-2.22	
05 05 23 00-1159	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.17	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-1160	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	32.23	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-1161	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.21	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-1.89	
			<i>For >500, Deduct</i>	-2.27	
05 05 23 00-1162	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	41.81	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1163	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.41	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1164	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	47.07	
			<i>For >100 To 250, Deduct</i>	-1.54	
			<i>For >250 To 500, Deduct</i>	-1.92	
			<i>For >500, Deduct</i>	-2.31	
05 05 23 00-1165	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.71	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1166	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	49.33	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1167	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.95	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	
05 05 23 00-1168	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	64.31	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.35	

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

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

05 05 23 00-1171	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.64	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1172	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.73	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1173	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.02	
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100, Deduct</i>	-0.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1174	EA			1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.09	
				<i>For >10 To 50, Deduct</i>	-0.16	
				<i>For >50 To 100, Deduct</i>	-0.34	
				<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1175	EA			1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.36	
				<i>For >10 To 50, Deduct</i>	-0.17	
				<i>For >50 To 100, Deduct</i>	-0.36	
				<i>For >100, Deduct</i>	-0.72	
05 05 23 00-1176	EA			1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.27	
				<i>For >10 To 50, Deduct</i>	-0.17	
				<i>For >50 To 100, Deduct</i>	-0.39	
				<i>For >100, Deduct</i>	-0.79	
05 05 23 00-1177	EA			1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.84	
				<i>For >10 To 50, Deduct</i>	-0.18	
				<i>For >50 To 100, Deduct</i>	-0.42	
				<i>For >100, Deduct</i>	-0.84	
05 05 23 00-1178				Security Screws <small>(05 05 23 00-1169)</small>		
05 05 23 00-1179				304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1178)</small>		
				Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1180	EA			#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.07	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.20	
				<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1181	EA			#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.29	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1182	EA			#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.47	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1183	EA			#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.53	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1184	EA			#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.65	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1185	EA			#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.33	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1186	EA			#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.42	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1187	EA			#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.61	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1188	EA			#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.66	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1189	EA			#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.39	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1190	EA			#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.41	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1191	EA			#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.49	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1192	EA			#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.74	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1193	EA			1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.53	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1194	EA			1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.59	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1195	EA			1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.83	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100, Deduct</i>	-0.44	

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

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-1196	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.21		
		<i>For >10 To 50, Deduct</i>	-0.10		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100, Deduct</i>	-0.46		
05 05 23 00-1197		Threaded Rod <small>(05 05 23)</small>			
		Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1290 for nuts and washers.			
05 05 23 00-1198		Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1197)</small>			
05 05 23 00-1199	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.60	0.43	
		<i>For Left Hand Threaded Rod, Add</i>	0.07		
05 05 23 00-1200	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	2.06	0.48	
		<i>For Left Hand Threaded Rod, Add</i>	0.11		
05 05 23 00-1201	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.38	0.55	
		<i>For Left Hand Threaded Rod, Add</i>	0.13		
05 05 23 00-1202	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.14	0.56	
		<i>For Left Hand Threaded Rod, Add</i>	0.20		
05 05 23 00-1203	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.21	0.58	
		<i>For Left Hand Threaded Rod, Add</i>	0.21		
05 05 23 00-1204	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.92	0.59	
		<i>For Left Hand Threaded Rod, Add</i>	0.27		
05 05 23 00-1205	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.38	0.60	
		<i>For Left Hand Threaded Rod, Add</i>	0.32		
05 05 23 00-1206	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.02	0.61	
		<i>For Left Hand Threaded Rod, Add</i>	0.58		
05 05 23 00-1207	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.63	0.64	
		<i>For Left Hand Threaded Rod, Add</i>	0.64		
05 05 23 00-1208	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.37	0.72	
		<i>For Left Hand Threaded Rod, Add</i>	0.89		
05 05 23 00-1209	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.86	0.81	
		<i>For Left Hand Threaded Rod, Add</i>	1.13		
05 05 23 00-1210	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.98	0.88	
		<i>For Left Hand Threaded Rod, Add</i>	1.52		
05 05 23 00-1211	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.04	0.95	
		<i>For Left Hand Threaded Rod, Add</i>	1.92		
05 05 23 00-1212	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.10	0.99	
		<i>For Left Hand Threaded Rod, Add</i>	2.31		
05 05 23 00-1213	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	30.70	1.04	
		<i>For Left Hand Threaded Rod, Add</i>	2.86		
05 05 23 00-1214	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	39.10	1.09	
		<i>For Left Hand Threaded Rod, Add</i>	3.69		
05 05 23 00-1215		Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1197)</small>			
05 05 23 00-1216	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	1.62	0.43	
		<i>For Left Hand Threaded Rod, Add</i>	0.07		
05 05 23 00-1217	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.30	0.48	
		<i>For Left Hand Threaded Rod, Add</i>	0.13		
05 05 23 00-1218	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	2.56	0.55	
		<i>For Left Hand Threaded Rod, Add</i>	0.15		
05 05 23 00-1219	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.59	0.56	
		<i>For Left Hand Threaded Rod, Add</i>	0.25		
05 05 23 00-1220	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	3.85	0.58	
		<i>For Left Hand Threaded Rod, Add</i>	0.27		
05 05 23 00-1221	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.96	0.59	
		<i>For Left Hand Threaded Rod, Add</i>	0.38		
05 05 23 00-1222	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	5.25	0.60	
		<i>For Left Hand Threaded Rod, Add</i>	0.41		
05 05 23 00-1223	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	7.77	0.61	
		<i>For Left Hand Threaded Rod, Add</i>	0.65		
05 05 23 00-1224	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	9.97	0.64	
		<i>For Left Hand Threaded Rod, Add</i>	0.87		
05 05 23 00-1225	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.32	0.72	
		<i>For Left Hand Threaded Rod, Add</i>	1.19		
05 05 23 00-1226	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.13	0.81	
		<i>For Left Hand Threaded Rod, Add</i>	1.55		
05 05 23 00-1227	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	20.42	0.88	
		<i>For Left Hand Threaded Rod, Add</i>	1.86		
05 05 23 00-1228	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	23.17	0.95	
		<i>For Left Hand Threaded Rod, Add</i>	2.13		
05 05 23 00-1229	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	29.09	0.99	
		<i>For Left Hand Threaded Rod, Add</i>	2.71		
05 05 23 00-1230	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	35.95	1.04	
		<i>For Left Hand Threaded Rod, Add</i>	3.39		
05 05 23 00-1231	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod.....	52.25	1.09	
		<i>For Left Hand Threaded Rod, Add</i>	5.01		
05 05 23 00-1232		Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1197)</small>			
05 05 23 00-1233	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.05	0.55	
		<i>For Left Hand Threaded Rod, Add</i>	0.30		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1234 LF 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.59 0.44	0.58
05 05 23 00-1235 LF 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.45 0.63	0.60
05 05 23 00-1236 LF 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	10.14 0.89	0.61
05 05 23 00-1237 LF 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	13.93 1.27	0.64
05 05 23 00-1238 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	17.92 1.65	0.72
05 05 23 00-1239 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	23.50 2.19	0.81
05 05 23 00-1240 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.83 2.90	0.88
05 05 23 00-1241 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	34.43 3.25	0.95
05 05 23 00-1242 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	40.92 3.89	0.99
05 05 23 00-1243 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	49.64 4.76	1.04
05 05 23 00-1244 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.30 8.41	1.09
05 05 23 00-1245 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1197)</small>		
05 05 23 00-1246 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.01 0.11	0.43
05 05 23 00-1247 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.90 0.19	0.48
05 05 23 00-1248 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.67 0.26	0.55
05 05 23 00-1249 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.97 0.38	0.56
05 05 23 00-1250 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.90 0.47	0.58
05 05 23 00-1251 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.31 0.71	0.59
05 05 23 00-1252 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.66 0.75	0.60
05 05 23 00-1253 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.98 1.07	0.61
05 05 23 00-1254 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	16.33 1.51	0.64
05 05 23 00-1255 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.88 1.94	0.72
05 05 23 00-1256 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	43.76 4.20	0.88
05 05 23 00-1257 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.37 6.44	0.99
05 05 23 00-1258 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	68.28 6.62	1.04
05 05 23 00-1259 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	94.23 9.21	1.09
05 05 23 00-1260 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1197)</small>		
05 05 23 00-1261 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.78 0.19	0.43
05 05 23 00-1262 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.31 0.34	0.48
05 05 23 00-1263 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.65 0.46	0.55
05 05 23 00-1264 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.63 0.75	0.56
05 05 23 00-1265 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.14 0.80	0.58
05 05 23 00-1266 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.87 1.07	0.59
05 05 23 00-1267 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	12.75 1.16	0.60
05 05 23 00-1268 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	18.41 1.72	0.61
05 05 23 00-1269 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	25.06 2.38	0.64
05 05 23 00-1270 LF 1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.65 3.02	0.72
05 05 23 00-1271 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.39 6.46	0.88
05 05 23 00-1272 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.89 8.49	0.99
05 05 23 00-1273 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1197)</small>		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1274 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	2.63	0.43
For Zinc Plating, Add	0.88	
05 05 23 00-1275 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	3.95	0.48
For Zinc Plating, Add	1.50	
05 05 23 00-1276 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	4.16	0.55
For Zinc Plating, Add	1.54	
05 05 23 00-1277 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	4.53	0.56
For Zinc Plating, Add	1.70	
05 05 23 00-1278 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	4.97	0.58
For Zinc Plating, Add	1.91	
05 05 23 00-1279 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.14	0.59
For Zinc Plating, Add	2.48	
05 05 23 00-1280 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.34	0.60
For Zinc Plating, Add	2.57	
05 05 23 00-1281 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	8.34	0.61
For Zinc Plating, Add	3.55	
05 05 23 00-1282 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	9.95	0.64
For Zinc Plating, Add	4.34	
05 05 23 00-1283 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	12.86	0.72
For Zinc Plating, Add	5.71	
05 05 23 00-1284 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	16.68	0.81
For Zinc Plating, Add	7.54	
05 05 23 00-1285 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	18.57	0.88
For Zinc Plating, Add	8.38	
05 05 23 00-1286 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	21.39	0.95
For Zinc Plating, Add	9.75	
05 05 23 00-1287 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	25.94	0.99
For Zinc Plating, Add	11.98	
05 05 23 00-1288 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	26.82	1.04
For Zinc Plating, Add	12.38	
05 05 23 00-1289 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	35.87	1.09
For Zinc Plating, Add	16.85	
05 05 23 00-1290 Nuts And Washers (05 05 23)		
05 05 23 00-1291 Hex Nuts (05 05 23 00-1290)		
05 05 23 00-1292 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1291)		
05 05 23 00-1293 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.43	0.20
05 05 23 00-1294 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.48	0.20
05 05 23 00-1295 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.51	0.20
05 05 23 00-1296 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.59	0.20
05 05 23 00-1297 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.63	0.20
05 05 23 00-1298 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.81	0.20
05 05 23 00-1299 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.85	0.20
05 05 23 00-1300 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.99	0.39
05 05 23 00-1301 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.40	0.39
05 05 23 00-1302 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.77	0.39
05 05 23 00-1303 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.85	0.39
05 05 23 00-1304 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.48	0.39
05 05 23 00-1305 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.05	0.39
05 05 23 00-1306 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.84	0.59
05 05 23 00-1307 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.51	0.59
05 05 23 00-1308 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	12.23	0.59
05 05 23 00-1309 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1291)		
05 05 23 00-1310 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.44	0.20
05 05 23 00-1311 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.49	0.20
05 05 23 00-1312 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.53	0.20
05 05 23 00-1313 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.61	0.20
05 05 23 00-1314 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.70	0.20
05 05 23 00-1315 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.83	0.20
05 05 23 00-1316 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.86	0.20
05 05 23 00-1317 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.11	0.39
05 05 23 00-1318 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.52	0.39
05 05 23 00-1319 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.12	0.39
05 05 23 00-1320 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.20	0.39
05 05 23 00-1321 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.50	0.39
05 05 23 00-1322 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.54	0.39
05 05 23 00-1323 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.22	0.59
05 05 23 00-1324 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.91	0.59
05 05 23 00-1325 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	18.44	0.59
05 05 23 00-1326 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1291)		
05 05 23 00-1327 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.45	0.20
05 05 23 00-1328 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.52	0.20
05 05 23 00-1329 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.56	0.20
05 05 23 00-1330 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.68	0.20
05 05 23 00-1331 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.80	0.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1332 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.95	0.20
05 05 23 00-1333 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.08	0.20
05 05 23 00-1334 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.32	0.39
05 05 23 00-1335 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.94	0.39
05 05 23 00-1336 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.55	0.39
05 05 23 00-1337 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.96	0.39
05 05 23 00-1338 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.94	0.39
05 05 23 00-1339 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.04	0.39
05 05 23 00-1340 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.54	0.59
05 05 23 00-1341 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.95	0.59
05 05 23 00-1342 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.24	0.59
05 05 23 00-1343 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1291)		
05 05 23 00-1344 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.45	0.20
05 05 23 00-1345 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.51	0.20
05 05 23 00-1346 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.20
05 05 23 00-1347 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.67	0.20
05 05 23 00-1348 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.76	0.20
05 05 23 00-1349 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.20
05 05 23 00-1350 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.93	0.20
05 05 23 00-1351 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.21	0.39
05 05 23 00-1352 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.72	0.39
05 05 23 00-1353 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.35	0.39
05 05 23 00-1354 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.83	0.39
05 05 23 00-1355 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.91	0.39
05 05 23 00-1356 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.22	0.39
05 05 23 00-1357 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.41	0.59
05 05 23 00-1358 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.56	0.59
05 05 23 00-1359 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.07	0.59
05 05 23 00-1360 304 Stainless Steel Hex Nuts (05 05 23 00-1291)		
05 05 23 00-1361 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.48	0.20
05 05 23 00-1362 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.57	0.20
05 05 23 00-1363 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.63	0.20
05 05 23 00-1364 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	0.88	0.20
05 05 23 00-1365 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	0.95	0.20
05 05 23 00-1366 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.38	0.20
05 05 23 00-1367 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.53	0.20
05 05 23 00-1368 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.75	0.39
05 05 23 00-1369 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	2.77	0.39
05 05 23 00-1370 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.20	0.39
05 05 23 00-1371 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	9.92	0.39
05 05 23 00-1372 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	18.88	0.59
05 05 23 00-1373 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	33.04	0.59
05 05 23 00-1374 EA 2" Diameter, 304 Stainless Steel Hex Nut	46.99	0.59
05 05 23 00-1375 316 Stainless Steel Hex Nuts (05 05 23 00-1291)		
05 05 23 00-1376 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.55	0.20
05 05 23 00-1377 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.62	0.20
05 05 23 00-1378 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.73	0.20
05 05 23 00-1379 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.12	0.20
05 05 23 00-1380 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.20	0.20
05 05 23 00-1381 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.59	0.20
05 05 23 00-1382 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	1.79	0.20
05 05 23 00-1383 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.45	0.39
05 05 23 00-1384 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.34	0.39
05 05 23 00-1385 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.11	0.39
05 05 23 00-1386 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	15.27	0.39
05 05 23 00-1387 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	24.58	0.59
05 05 23 00-1388 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	41.35	0.59
05 05 23 00-1389 EA 2" Diameter, 316 Stainless Steel Hex Nut	76.66	0.59
05 05 23 00-1390 Flat Washers (05 05 23 00-1290)		
05 05 23 00-1391 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1390)		
05 05 23 00-1392 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1393 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1394 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1395 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1396 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1397 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1398 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1399 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1400 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1401 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1402 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1403 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	

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

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



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

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1542	EA		1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.36	
05 05 23 00-1543	EA		5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.54	
05 05 23 00-1544	EA		3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.66	
05 05 23 00-1545	EA		7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.88	
05 05 23 00-1546	EA		1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.27	
05 05 23 00-1547	EA		1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.78	
05 05 23 00-1548	EA		1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.88	
05 05 23 00-1549	EA		1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.23	
05 05 23 00-1550	EA		1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.86	
05 05 23 00-1551			Galvanized, A325, Direct Tension Indicator, Load Indicating Washers		
			(ASTM F959) <small>(05 05 23 00-1540)</small>		
05 05 23 00-1552	EA		1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.72	
05 05 23 00-1553	EA		5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.91	
05 05 23 00-1554	EA		3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.86	
05 05 23 00-1555	EA		7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.27	
05 05 23 00-1556	EA		1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.69	
05 05 23 00-1557	EA		1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.06	
05 05 23 00-1558	EA		1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.11	
05 05 23 00-1559	EA		1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.27	
05 05 23 00-1560	EA		1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.00	
05 05 23 00-1561			Beveled Washers <small>(05 05 23 00-1290)</small>		
05 05 23 00-1562			Plain Finish, Square Beveled Structural Washers (ASTM F436) <small>(05 05 23 00-1561)</small>		
05 05 23 00-1563	EA		1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.24	
05 05 23 00-1564	EA		5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.29	
05 05 23 00-1565	EA		3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.34	
05 05 23 00-1566	EA		7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.84	
05 05 23 00-1567	EA		1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.99	
05 05 23 00-1568			Galvanized, Square Beveled Structural Washers (ASTM F436) <small>(05 05 23 00-1561)</small>		
05 05 23 00-1569	EA		1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.22	
05 05 23 00-1570	EA		5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1571	EA		3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1572	EA		7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.56	
05 05 23 00-1573	EA		1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.79	
05 05 23 00-1574			Welded Stud Anchors <small>(05 05 23)</small>		
05 05 23 00-1575	EA		1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors.....	2.20	
05 05 23 00-1576	EA		1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	2.23	
05 05 23 00-1577	EA		1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.24	
05 05 23 00-1578	EA		1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.25	
05 05 23 00-1579	EA		3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors.....	2.30	
05 05 23 00-1580	EA		3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.37	
05 05 23 00-1581	EA		3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.43	
05 05 23 00-1582	EA		3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.47	
05 05 23 00-1583	EA		3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.50	
05 05 23 00-1584	EA		3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.64	
05 05 23 00-1585	EA		3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	2.75	
05 05 23 00-1586	EA		3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	2.84	
05 05 23 00-1587	EA		1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	2.69	
05 05 23 00-1588	EA		1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.70	
05 05 23 00-1589	EA		1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.81	
05 05 23 00-1590	EA		1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.90	
05 05 23 00-1591	EA		1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	3.02	
05 05 23 00-1592	EA		1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	3.21	
05 05 23 00-1593	EA		1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	3.33	
05 05 23 00-1594	EA		1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	3.66	
05 05 23 00-1595	EA		1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	4.28	
05 05 23 00-1596	EA		5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	3.51	
05 05 23 00-1597	EA		5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	3.66	
05 05 23 00-1598	EA		5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	3.79	
05 05 23 00-1599	EA		5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	3.92	
05 05 23 00-1600	EA		5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	4.02	
05 05 23 00-1601	EA		5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	4.12	
05 05 23 00-1602	EA		5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	4.25	
05 05 23 00-1603	EA		5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	4.78	
05 05 23 00-1604	EA		5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	5.52	
05 05 23 00-1605			Welded Shear Stud Connector <small>(05 05 23)</small>		
05 05 23 00-1606			3/4" Diameter Welded Shear Stud Connector <small>(05 05 23 00-1605)</small>		
05 05 23 00-1607	EA		3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.31	
05 05 23 00-1608	EA		3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	4.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1609 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	4.45	
05 05 23 00-1610 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.46	
05 05 23 00-1611 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	4.59	
05 05 23 00-1612 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	4.82	
05 05 23 00-1613 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	7.08	
05 05 23 00-1614 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.10	
05 05 23 00-1615 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	5.51	
05 05 23 00-1616 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	7.94	
05 05 23 00-1617 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.07	
05 05 23 00-1618 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	8.52	
05 05 23 00-1619 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.41	
05 05 23 00-1620 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1605)		
05 05 23 00-1621 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.87	
05 05 23 00-1622 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	5.05	
05 05 23 00-1623 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	5.23	
05 05 23 00-1624 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.75	
05 05 23 00-1625 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	8.22	
05 05 23 00-1626 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.76	
05 05 23 00-1627 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	9.30	
05 05 23 00-1628 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.82	
05 05 23 00-1629 1" Diameter Welded Shear Stud Connector (05 05 23 00-1605)		
05 05 23 00-1630 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	6.05	
05 05 23 00-1631 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	6.60	
05 05 23 00-1632 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	7.42	
05 05 23 00-1633 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	10.26	
05 05 23 00-1634 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	11.12	
05 05 23 00-1635 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	11.98	
05 10 Structural Metal Framing (05)		
05 12 Structural Steel Framing (05 10)		
05 12 23 Structural Steel For Buildings (05 12)		
Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.		
05 12 23 00-0001 Rolled Steel Members (05 12 23)		
05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)		
Note: For one and two story I beams and W shapes and HP shapes.		
05 12 23 00-0003 TON Up To 30 LB/LF Beams, Girders And Columns	6,066.29	960.98
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	326.26	
<i>For Hot Dip Galvanizing, Add</i>		
	1,141.90	
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns.....	4,009.72	621.21
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	267.76	
<i>For Hot Dip Galvanizing, Add</i>		
	937.17	
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns.....	3,344.20	349.47
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	237.72	
<i>For Hot Dip Galvanizing, Add</i>		
	832.00	
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns.....	2,230.14	186.01
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	162.51	
<i>For Hot Dip Galvanizing, Add</i>		
	568.77	
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members.....	4,252.69	653.55
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	284.48	
<i>For Hot Dip Galvanizing, Add</i>		
	995.66	
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles.....	8,866.98	1,786.47
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	471.16	
<i>For Hot Dip Galvanizing, Add</i>		
	1,649.07	
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles.....	7,622.01	1,048.40
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	450.72	
<i>For Hot Dip Galvanizing, Add</i>		
	1,577.50	
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles.....	5,618.67	621.21
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	396.49	
<i>For Hot Dip Galvanizing, Add</i>		
	1,387.71	
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,896.94 464.05 1,624.18	2,446.26
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,544.23 444.49 1,555.72	1,863.82
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,529.77 389.38 1,362.81	621.21
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,148.49 453.38 1,586.84	1,417.43
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,996.49 426.71 1,493.49	621.21
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,484.32 328.92 1,151.24	349.47
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,865.46 213.36 746.75	186.29
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,321.98 426.71 1,493.49	1,048.40
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,740.91 326.26 1,141.90	621.21
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,706.45 266.70 933.43	349.47
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,710.19 200.91 703.19	186.01
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,977.50 399.15 1,397.04	1,048.40
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,774.25 328.92 1,151.24	621.21
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,428.64 244.47 855.65	349.47
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,932.13 218.69 765.42	186.01
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,510.78 192.91 675.19	93.38
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,596.45 314.70 1,101.45	621.21
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,439.76 245.36 858.76	349.47
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,321.98 426.71 1,493.49	1,048.40
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,996.49 346.70 1,213.46	621.21
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,517.54 251.58 880.54	349.47
05 12 23 00-0042 Standard Weight Pipe (05 12 23 00-0001)		



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

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,063.46 277.36 970.77	559.15
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,368.14 289.81 1,014.33	698.93
05 12 23 00-0045 Structural Steel Shapes (05 12 23)		
05 12 23 00-0046 Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,333.03 309.37 1,082.78	436.88
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,996.49 346.70 1,213.46	621.21
05 12 23 00-0049 Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.31 0.13 0.47	0.61
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.16 0.13 0.44	0.52
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,018.15 275.00 962.49	544.40
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,834.69 198.90 696.16	326.64
05 12 23 00-0054 Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,274.73 353.82 1,238.36	798.73
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,659.23 336.04 1,176.13	430.08
05 12 23 00-0057 Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,679.25 248.92 871.21	369.04
05 12 23 00-0059 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,050.40 248.92 871.21	425.60
05 12 23 00-0060 Structural Tubing (05 12 23 00-0045)		
05 12 23 00-0061 Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,953.77 444.49 1,555.72	372.76
05 12 23 00-0063 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,014.94 444.49 1,555.72	430.08
05 12 23 00-0064 TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,275.30 382.26 1,337.92	465.95
05 12 23 00-0065 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,041.35 355.59 1,244.58	559.15
05 12 23 00-0066 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,774.25 328.92 1,151.24	621.21
05 12 23 00-0067 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,028.56 328.92 1,151.24	859.68
05 12 23 00-0068 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,412.68 336.04 1,176.13	1,136.47
05 12 23 00-0069 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,569.10 339.59 1,188.57	1,241.39
05 12 23 00-0070 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,735.95 339.59 1,188.57	1,397.86

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0071 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,332.91 336.04 1,176.13	2,936.72
05 12 23 00-0072 TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,077.40 327.15 1,145.01	1,863.82
05 12 23 00-0073 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,885.36 344.93 1,207.24	4,287.99
05 12 23 00-0074 Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,928.92 444.49 1,555.72	349.47
05 12 23 00-0076 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,953.77 444.49 1,555.72	372.76
05 12 23 00-0077 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,386.43 391.15 1,369.04	465.95
05 12 23 00-0078 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,374.71 382.26 1,337.92	559.15
05 12 23 00-0079 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,390.37 291.59 1,020.56	698.93
05 12 23 00-0080 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,496.87 291.59 1,020.56	798.73
05 12 23 00-0081 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,837.68 291.59 1,020.56	1,118.29
05 12 23 00-0082 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,202.56 296.92 1,039.22	1,397.86
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,299.65 344.93 1,207.24	1,863.82
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,293.69 344.93 1,207.24	2,795.73
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,211.64 296.92 1,039.22	3,281.34
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,796.46 337.81 1,182.35	4,287.99
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	10,275.79 344.93 1,207.24	5,591.45
05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)		
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >20 To 50 LB/LF, Deduct</i> <i>For >50 To 75 LB/LF, Deduct</i> <i>For >75 To 100 LB/LF, Deduct</i>	7,194.77 299.06 1,046.71 -892.30 -1,424.87 -1,957.43	2,177.60
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >21.5 To 50 LB/LF, Deduct</i>	4,714.32 284.48 995.69 -529.35	871.04
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.71	0.19
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports	3.27	0.19
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	4,820.92	279.58
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up.....	4,732.83	155.25
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up.....	4,199.27	82.20
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	4,083.26	77.72
05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045) Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	17.91	6.27
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	26.87	9.38
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	35.83	12.50
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	44.79	15.63
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	53.75	18.67
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	62.71	21.88



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0105	SF		1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	71.66	25.01
05 12 23 00-0106	SF		1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	80.61	28.13
05 12 23 00-0107	SF		1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	89.57	31.26
05 12 23 00-0108	SF		1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	98.52	34.39
05 12 23 00-0109	SF		1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	107.48	37.51
05 12 23 00-0110	SF		1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	116.44	40.64
05 12 23 00-0111	SF		1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	125.40	43.76
05 12 23 00-0112	SF		1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	134.36	46.89
05 12 23 00-0113	SF		2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	143.32	50.02
05 12 23 00-0114			Accessories For Steel <small>(05 12 23)</small>		
05 12 23 00-0115			Field Painting For Touch-Up Of Shop Prime Coat <small>(05 12 23 00-0114)</small>		
05 12 23 00-0116	SF		Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.83	
05 12 23 00-0117			Connection And Stiffener Plates <small>(05 12 23 00-0114)</small>		
			Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118	TON		1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	10,265.87	
05 12 23 00-0119	TON		3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	8,758.79	
05 12 23 00-0120	TON		1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0121	TON		5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0122	TON		3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0123	TON		1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0124	TON		9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0125	TON		5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	6,773.35	
05 12 23 00-0126	TON		3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0127	TON		7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0128	TON		1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0129			Spot Welding <small>(05 12 23 00-0114)</small>		
			See CSI section 05 12 23 00-0132 for a series of welds.		
05 12 23 00-0130	EA		Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.66	
			<i>For Aluminum Welding, Add</i>	1.47	
			<i>For Stainless Steel Welding, Add</i>	2.44	
05 12 23 00-0131	EA		>15 Spot Weldings, Welds Up To 1" Length Each.....	7.79	
			<i>For Aluminum Welding, Add</i>	1.35	
			<i>For Stainless Steel Welding, Add</i>	2.17	
05 12 23 00-0132			Field Welding (Seam And Stitch Welding) <small>(05 12 23 00-0114)</small>		
05 12 23 00-0133			Vertical Fillet Welds <small>(05 12 23 00-0132)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0134	LF		3/16" Vertical Fillet Weld	10.12	
			<i>For Aluminum Welding, Add</i>	1.67	
			<i>For Stainless Steel Welding, Add</i>	2.72	
			<i>For Up To 25, Add</i>	3.48	
			<i>For >25 To 50, Add</i>	2.48	
05 12 23 00-0135	LF		1/4" Vertical Fillet Weld	15.18	
			<i>For Aluminum Welding, Add</i>	2.51	
			<i>For Stainless Steel Welding, Add</i>	4.08	
			<i>For Up To 25, Add</i>	5.22	
			<i>For >25 To 50, Add</i>	3.72	
05 12 23 00-0136	LF		5/16" Vertical Fillet Weld	20.24	
			<i>For Aluminum Welding, Add</i>	3.35	
			<i>For Stainless Steel Welding, Add</i>	5.45	
			<i>For Up To 25, Add</i>	6.95	
			<i>For >25 To 50, Add</i>	4.96	
05 12 23 00-0137	LF		3/8" Vertical Fillet Weld	25.31	
			<i>For Aluminum Welding, Add</i>	4.18	
			<i>For Stainless Steel Welding, Add</i>	6.81	
			<i>For Up To 25, Add</i>	8.70	
			<i>For >25 To 50, Add</i>	6.20	
05 12 23 00-0138	LF		7/16" Vertical Fillet Weld	30.11	
			<i>For Aluminum Welding, Add</i>	4.82	
			<i>For Stainless Steel Welding, Add</i>	7.90	
			<i>For Up To 25, Add</i>	10.41	
			<i>For >25 To 50, Add</i>	7.43	
05 12 23 00-0139	LF		1/2" Vertical Fillet Weld	35.05	
			<i>For Aluminum Welding, Add</i>	5.79	
			<i>For Stainless Steel Welding, Add</i>	9.43	
			<i>For Up To 25, Add</i>	12.05	
			<i>For >25 To 50, Add</i>	8.58	
05 12 23 00-0140	LF		9/16" Vertical Fillet Weld	41.17	
			<i>For Aluminum Welding, Add</i>	6.66	
			<i>For Stainless Steel Welding, Add</i>	10.89	
			<i>For Up To 25, Add</i>	14.21	
			<i>For >25 To 50, Add</i>	10.13	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0141	LF		5/8" Vertical Fillet Weld	45.35	
			<i>For Aluminum Welding, Add</i>	7.37	
			<i>For Stainless Steel Welding, Add</i>	12.04	
			<i>For Up To 25, Add</i>	15.64	
			<i>For >25 To 50, Add</i>	11.15	
05 12 23 00-0142	LF		3/4" Vertical Fillet Weld	62.29	
			<i>For Aluminum Welding, Add</i>	10.32	
			<i>For Stainless Steel Welding, Add</i>	16.79	
			<i>For Up To 25, Add</i>	21.40	
			<i>For >25 To 50, Add</i>	15.25	
05 12 23 00-0143	LF		7/8" Vertical Fillet Weld	82.25	
			<i>For Aluminum Welding, Add</i>	13.42	
			<i>For Stainless Steel Welding, Add</i>	21.91	
			<i>For Up To 25, Add</i>	28.34	
			<i>For >25 To 50, Add</i>	20.20	
05 12 23 00-0144	LF		1" Vertical Fillet Weld	114.05	
			<i>For Aluminum Welding, Add</i>	18.93	
			<i>For Stainless Steel Welding, Add</i>	30.79	
			<i>For Up To 25, Add</i>	39.16	
			<i>For >25 To 50, Add</i>	27.91	
05 12 23 00-0145			Horizontal Or Flat Fillet Welds <small>(05 12 23 00-0132)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0146	LF		1/8" Horizontal Or Flat Fillet Weld	5.75	
			<i>For Aluminum Welding, Add</i>	0.98	
			<i>For Stainless Steel Welding, Add</i>	1.59	
			<i>For Up To 25, Add</i>	1.96	
			<i>For >25 To 50, Add</i>	1.40	
05 12 23 00-0147	LF		3/16" Horizontal Or Flat Fillet Weld	7.67	
			<i>For Aluminum Welding, Add</i>	1.31	
			<i>For Stainless Steel Welding, Add</i>	2.12	
			<i>For Up To 25, Add</i>	2.62	
			<i>For >25 To 50, Add</i>	1.86	
05 12 23 00-0148	LF		1/4" Horizontal Or Flat Fillet Weld	11.50	
			<i>For Aluminum Welding, Add</i>	1.97	
			<i>For Stainless Steel Welding, Add</i>	3.18	
			<i>For Up To 25, Add</i>	3.93	
			<i>For >25 To 50, Add</i>	2.80	
05 12 23 00-0149	LF		5/16" Horizontal Or Flat Fillet Weld	15.34	
			<i>For Aluminum Welding, Add</i>	2.63	
			<i>For Stainless Steel Welding, Add</i>	4.24	
			<i>For Up To 25, Add</i>	5.23	
			<i>For >25 To 50, Add</i>	3.73	
05 12 23 00-0150	LF		3/8" Horizontal Or Flat Fillet Weld	19.16	
			<i>For Aluminum Welding, Add</i>	3.27	
			<i>For Stainless Steel Welding, Add</i>	5.29	
			<i>For Up To 25, Add</i>	6.54	
			<i>For >25 To 50, Add</i>	4.66	
05 12 23 00-0151	LF		7/16" Horizontal Or Flat Fillet Weld	22.17	
			<i>For Aluminum Welding, Add</i>	3.64	
			<i>For Stainless Steel Welding, Add</i>	5.94	
			<i>For Up To 25, Add</i>	7.63	
			<i>For >25 To 50, Add</i>	5.44	
05 12 23 00-0152	LF		1/2" Horizontal Or Flat Fillet Weld	27.06	
			<i>For Aluminum Welding, Add</i>	4.62	
			<i>For Stainless Steel Welding, Add</i>	7.46	
			<i>For Up To 25, Add</i>	9.24	
			<i>For >25 To 50, Add</i>	6.58	
05 12 23 00-0153	LF		9/16" Horizontal Or Flat Fillet Weld	30.46	
			<i>For Aluminum Welding, Add</i>	5.08	
			<i>For Stainless Steel Welding, Add</i>	8.25	
			<i>For Up To 25, Add</i>	10.45	
			<i>For >25 To 50, Add</i>	7.45	
05 12 23 00-0154	LF		5/8" Horizontal Or Flat Fillet Weld	36.57	
			<i>For Aluminum Welding, Add</i>	6.15	
			<i>For Stainless Steel Welding, Add</i>	9.97	
			<i>For Up To 25, Add</i>	12.52	
			<i>For >25 To 50, Add</i>	8.92	
05 12 23 00-0155	LF		3/4" Horizontal Or Flat Fillet Weld	46.11	
			<i>For Aluminum Welding, Add</i>	7.94	
			<i>For Stainless Steel Welding, Add</i>	12.80	
			<i>For Up To 25, Add</i>	15.71	
			<i>For >25 To 50, Add</i>	11.19	
05 12 23 00-0156	LF		7/8" Horizontal Or Flat Fillet Weld	69.79	
			<i>For Aluminum Welding, Add</i>	11.48	
			<i>For Stainless Steel Welding, Add</i>	18.71	
			<i>For Up To 25, Add</i>	24.01	
			<i>For >25 To 50, Add</i>	17.11	
05 12 23 00-0157	LF		1" Horizontal Or Flat Fillet Weld	91.99	
			<i>For Aluminum Welding, Add</i>	15.70	
			<i>For Stainless Steel Welding, Add</i>	25.38	
			<i>For Up To 25, Add</i>	31.40	
			<i>For >25 To 50, Add</i>	22.36	



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

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0158 Cold Galvanizing <small>(05 12 23 00-0114)</small>		
05 12 23 00-0159 SF Brush Applied Cold Galvanizing.....	1.59	
05 12 23 00-0160 Metal Grinding <small>(05 12 23 00-0114)</small>		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0161 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.76	
Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0162 Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
05 12 23 00-0163 First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0162)</small>		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0164 LF W14 x 730 A992/A36 Structural Column	981.13	60.40
For High Strength Low Alloy A572-50 Steel, Add	88.30	
For High Strength Low Alloy A588 Grade B Steel, Add	196.23	
05 12 23 00-0165 LF W14 x 665 A992/A36 Structural Column	895.13	56.30
For High Strength Low Alloy A572-50 Steel, Add	80.56	
For High Strength Low Alloy A588 Grade B Steel, Add	179.03	
05 12 23 00-0166 LF W14 x 605 A992/A36 Structural Column	815.64	52.40
For High Strength Low Alloy A572-50 Steel, Add	73.41	
For High Strength Low Alloy A588 Grade B Steel, Add	163.13	
05 12 23 00-0167 LF W14 x 550 A992/A36 Structural Column	742.66	48.74
For High Strength Low Alloy A572-50 Steel, Add	66.84	
For High Strength Low Alloy A588 Grade B Steel, Add	148.53	
05 12 23 00-0168 LF W14 x 500 A992/A36 Structural Column	679.62	48.46
For High Strength Low Alloy A572-50 Steel, Add	61.17	
For High Strength Low Alloy A588 Grade B Steel, Add	135.92	
05 12 23 00-0169 LF W14 x 426 A992/A36 Structural Column	580.06	42.31
For High Strength Low Alloy A572-50 Steel, Add	52.21	
For High Strength Low Alloy A588 Grade B Steel, Add	116.01	
05 12 23 00-0170 LF W14 x 342 A992/A36 Structural Column	469.58	36.62
For High Strength Low Alloy A572-50 Steel, Add	42.26	
For High Strength Low Alloy A588 Grade B Steel, Add	93.92	
05 12 23 00-0171 LF W14 x 311 A992/A36 Structural Column	423.21	34.20
For High Strength Low Alloy A572-50 Steel, Add	38.09	
For High Strength Low Alloy A588 Grade B Steel, Add	84.64	
05 12 23 00-0172 LF W14 x 283 A992/A36 Structural Column	384.39	32.25
For High Strength Low Alloy A572-50 Steel, Add	34.60	
For High Strength Low Alloy A588 Grade B Steel, Add	76.88	
05 12 23 00-0173 LF W14 x 257 A992/A36 Structural Column	338.35	30.57
For High Strength Low Alloy A572-50 Steel, Add	30.45	
For High Strength Low Alloy A588 Grade B Steel, Add	67.67	
05 12 23 00-0174 LF W14 x 233 A992/A36 Structural Column	311.44	28.42
For High Strength Low Alloy A572-50 Steel, Add	28.03	
For High Strength Low Alloy A588 Grade B Steel, Add	62.29	
05 12 23 00-0175 LF W14 x 211 A992/A36 Structural Column	277.28	26.46
For High Strength Low Alloy A572-50 Steel, Add	24.96	
For High Strength Low Alloy A588 Grade B Steel, Add	55.46	
05 12 23 00-0176 LF W14 x 193 A992/A36 Structural Column	251.07	25.16
For High Strength Low Alloy A572-50 Steel, Add	22.60	
For High Strength Low Alloy A588 Grade B Steel, Add	50.21	
05 12 23 00-0177 LF W14 x 176 A992/A36 Structural Column	226.57	24.04
For High Strength Low Alloy A572-50 Steel, Add	20.39	
For High Strength Low Alloy A588 Grade B Steel, Add	45.31	
05 12 23 00-0178 LF W14 x 159 A992/A36 Structural Column	205.17	23.21
For High Strength Low Alloy A572-50 Steel, Add	18.47	
For High Strength Low Alloy A588 Grade B Steel, Add	41.03	
05 12 23 00-0179 LF W14 x 145 A992/A36 Structural Column	198.29	22.46
For High Strength Low Alloy A572-50 Steel, Add	17.85	
For High Strength Low Alloy A588 Grade B Steel, Add	39.66	
05 12 23 00-0180 LF W14 x 132 A992/A36 Structural Column	170.06	21.44
For High Strength Low Alloy A572-50 Steel, Add	15.31	
For High Strength Low Alloy A588 Grade B Steel, Add	34.01	
05 12 23 00-0181 LF W14 x 120 A992/A36 Structural Column	159.63	20.87
For High Strength Low Alloy A572-50 Steel, Add	14.37	
For High Strength Low Alloy A588 Grade B Steel, Add	31.93	
05 12 23 00-0182 LF W14 x 109 A992/A36 Structural Column	143.21	20.03
For High Strength Low Alloy A572-50 Steel, Add	12.89	
For High Strength Low Alloy A588 Grade B Steel, Add	28.64	
05 12 23 00-0183 LF W14 x 99 A992/A36 Structural Column	130.93	19.48
For High Strength Low Alloy A572-50 Steel, Add	11.78	
For High Strength Low Alloy A588 Grade B Steel, Add	26.19	
05 12 23 00-0184 LF W14 x 90 A992/A36 Structural Column	121.83	19.01
For High Strength Low Alloy A572-50 Steel, Add	10.96	
For High Strength Low Alloy A588 Grade B Steel, Add	24.37	
05 12 23 00-0185 LF W14 x 82 A992/A36 Structural Column	112.45	18.45
For High Strength Low Alloy A572-50 Steel, Add	10.12	
For High Strength Low Alloy A588 Grade B Steel, Add	22.49	
05 12 23 00-0186 LF W14 x 74 A992/A36 Structural Column	101.80	17.99
For High Strength Low Alloy A572-50 Steel, Add	9.16	
For High Strength Low Alloy A588 Grade B Steel, Add	20.36	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0187	LF		W14 x 68 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.29 8.58 19.06	17.71
05 12 23 00-0188	LF		W14 x 61 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.14 7.84 17.43	17.24
05 12 23 00-0189	LF		W14 x 53 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.61 7.16 15.92	16.78
05 12 23 00-0190	LF		W14 x 48 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.75 6.73 14.95	16.50
05 12 23 00-0191	LF		W14 x 43 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.74 6.10 13.55	16.22
05 12 23 00-0192	LF		W12 x 336 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	447.23 40.25 89.45	26.90
05 12 23 00-0193	LF		W12 x 305 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	408.05 36.72 81.61	26.37
05 12 23 00-0194	LF		W12 x 279 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	375.31 33.78 75.06	26.05
05 12 23 00-0195	LF		W12 x 252 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	340.99 30.69 68.20	25.40
05 12 23 00-0196	LF		W12 x 230 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	313.19 28.19 62.64	25.03
05 12 23 00-0197	LF		W12 x 210 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	287.91 25.91 57.58	24.68
05 12 23 00-0198	LF		W12 x 190 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	264.17 23.78 52.83	25.72
05 12 23 00-0199	LF		W12 x 170 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	239.08 21.52 47.82	24.97
05 12 23 00-0200	LF		W12 x 152 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	215.67 19.41 43.13	23.21
05 12 23 00-0201	LF		W12 x 136 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.14 18.46 41.03	22.55
05 12 23 00-0202	LF		W12 x 120 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.11 14.05 31.22	20.69
05 12 23 00-0203	LF		W12 x 106 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.05 12.96 28.81	20.03
05 12 23 00-0204	LF		W12 x 96 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	129.17 11.63 25.83	19.38
05 12 23 00-0205	LF		W12 x 87 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.37 10.74 23.87	18.73
05 12 23 00-0206	LF		W12 x 79 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.10 9.46 21.02	18.18
05 12 23 00-0207	LF		W12 x 72 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.43 8.68 19.29	17.71
05 12 23 00-0208	LF		W12 x 65 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	88.38 7.95 17.68	17.33
05 12 23 00-0209	LF		W12 x 58 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.60 7.70 17.12	17.14
05 12 23 00-0210	LF		W12 x 53 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.61 7.16 15.92	16.78
05 12 23 00-0211	LF		W12 x 50 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.23 6.95 15.45	16.69
05 12 23 00-0212	LF		W12 x 45 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.42 6.34 14.08	16.31
05 12 23 00-0213	LF		W12 x 40 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.39 5.71 12.68	15.94
05 12 23 00-0214	LF		W10 x 112 A992/A36 Structural Column..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	150.56 13.55 30.11	20.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0215 LF W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.42 12.28 27.28	19.57
05 12 23 00-0216 LF W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.90 11.06 24.58	18.92
05 12 23 00-0217 LF W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	109.57 9.86 21.91	18.18
05 12 23 00-0218 LF W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.93 8.90 19.79	17.71
05 12 23 00-0219 LF W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.14 7.84 17.43	17.24
05 12 23 00-0220 LF W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.55 7.79 17.31	16.96
05 12 23 00-0221 LF W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.31 6.87 15.26	16.69
05 12 23 00-0222 LF W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.73 6.64 14.75	16.40
05 12 23 00-0223 LF W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.52 5.81 12.90	16.12
05 12 23 00-0224 LF W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.59 5.09 11.32	15.65
05 12 23 00-0225 LF W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.39 8.59 19.08	17.71
05 12 23 00-0226 LF W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.91 7.73 17.18	17.14
05 12 23 00-0227 LF W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.14 6.94 15.43	16.69
05 12 23 00-0228 LF W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.59 5.99 13.32	16.22
05 12 23 00-0229 LF W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	60.40 5.44 12.08	15.84
05 12 23 00-0230 LF W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.44 4.99 11.09	15.65
05 12 23 00-0231 LF W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.35 4.71 10.47	15.47
05 12 23 00-0232 LF W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.62 4.38 9.72	15.28
05 12 23 00-0233 LF W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.15 4.15 9.23	15.19
05 12 23 00-0234 LF W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.50 3.74 8.30	14.91
05 12 23 00-0235 LF W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.91 4.58 10.18	15.28
05 12 23 00-0236 LF W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.46 3.91 8.69	15.01
05 12 23 00-0237 LF W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.59 3.38 7.52	14.54
05 12 23 00-0238 LF W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.40 3.19 7.08	14.54
05 12 23 00-0239 LF W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.61 2.93 6.52	14.44
05 12 23 00-0240 LF W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.84 3.86 8.57	15.01
05 12 23 00-0241 LF W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.63 3.57 7.93	14.91
05 12 23 00-0242 LF W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.26 3.35 7.45	14.73

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0243			A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0162) Note: Includes material delivery and erection.		
05 12 23 00-0244	LF		W36 x 300 A992/A36 Structural Beam Or Girder.....	337.39	66.14
			For High Strength Low Alloy A572-50 Steel, Add	30.37	
			For High Strength Low Alloy A588 Steel, Add	67.48	
			For Each Additional Top Copes >2, Add	2.67	
			For Structural Tees, WT, MT Or ST, Deduct	-107.50	
			For Skewed Or Sloped Connections, Add	40.49	
05 12 23 00-0245	LF		W36 x 280 A992/A36 Structural Beam Or Girder.....	323.60	69.89
			For High Strength Low Alloy A572-50 Steel, Add	29.12	
			For High Strength Low Alloy A588 Steel, Add	64.72	
			For Each Additional Top Copes >2, Add	2.49	
			For Structural Tees, WT, MT Or ST, Deduct	-102.08	
			For Skewed Or Sloped Connections, Add	38.83	
05 12 23 00-0246	LF		W36 x 260 A992/A36 Structural Beam Or Girder.....	307.19	69.06
			For High Strength Low Alloy A572-50 Steel, Add	27.65	
			For High Strength Low Alloy A588 Steel, Add	61.44	
			For Each Additional Top Copes >2, Add	2.34	
			For Structural Tees, WT, MT Or ST, Deduct	-96.47	
			For Skewed Or Sloped Connections, Add	36.86	
05 12 23 00-0247	LF		W36 x 240 A992/A36 Structural Beam Or Girder.....	289.81	63.75
			For High Strength Low Alloy A572-50 Steel, Add	26.08	
			For High Strength Low Alloy A588 Steel, Add	57.96	
			For Each Additional Top Copes >2, Add	2.22	
			For Structural Tees, WT, MT Or ST, Deduct	-91.23	
			For Skewed Or Sloped Connections, Add	34.78	
05 12 23 00-0248	LF		W36 x 230 A992/A36 Structural Beam Or Girder.....	281.53	64.65
			For High Strength Low Alloy A572-50 Steel, Add	25.34	
			For High Strength Low Alloy A588 Steel, Add	56.31	
			For Each Additional Top Copes >2, Add	2.13	
			For Structural Tees, WT, MT Or ST, Deduct	-88.19	
			For Skewed Or Sloped Connections, Add	33.78	
05 12 23 00-0249	LF		W36 x 210 A992/A36 Structural Beam Or Girder.....	265.38	66.81
			For High Strength Low Alloy A572-50 Steel, Add	23.88	
			For High Strength Low Alloy A588 Steel, Add	53.08	
			For Each Additional Top Copes >2, Add	1.94	
			For Structural Tees, WT, MT Or ST, Deduct	-82.19	
			For Skewed Or Sloped Connections, Add	31.85	
05 12 23 00-0250	LF		W36 x 194 A992/A36 Structural Beam Or Girder.....	253.41	61.84
			For High Strength Low Alloy A572-50 Steel, Add	22.81	
			For High Strength Low Alloy A588 Steel, Add	50.68	
			For Each Additional Top Copes >2, Add	1.87	
			For Structural Tees, WT, MT Or ST, Deduct	-78.80	
			For Skewed Or Sloped Connections, Add	30.41	
05 12 23 00-0251	LF		W36 x 182 A992/A36 Structural Beam Or Girder.....	241.34	61.38
			For High Strength Low Alloy A572-50 Steel, Add	21.72	
			For High Strength Low Alloy A588 Steel, Add	48.27	
			For Each Additional Top Copes >2, Add	1.76	
			For Structural Tees, WT, MT Or ST, Deduct	-74.65	
			For Skewed Or Sloped Connections, Add	28.96	
05 12 23 00-0252	LF		W36 x 170 A992/A36 Structural Beam Or Girder.....	228.98	60.68
			For High Strength Low Alloy A572-50 Steel, Add	20.61	
			For High Strength Low Alloy A588 Steel, Add	45.80	
			For Each Additional Top Copes >2, Add	1.64	
			For Structural Tees, WT, MT Or ST, Deduct	-70.44	
			For Skewed Or Sloped Connections, Add	27.48	
05 12 23 00-0253	LF		W36 x 160 A992/A36 Structural Beam Or Girder.....	223.56	64.68
			For High Strength Low Alloy A572-50 Steel, Add	20.12	
			For High Strength Low Alloy A588 Steel, Add	44.71	
			For Each Additional Top Copes >2, Add	1.55	
			For Structural Tees, WT, MT Or ST, Deduct	-67.90	
			For Skewed Or Sloped Connections, Add	26.83	
05 12 23 00-0254	LF		W36 x 150 A992/A36 Structural Beam Or Girder.....	214.99	64.21
			For High Strength Low Alloy A572-50 Steel, Add	19.35	
			For High Strength Low Alloy A588 Steel, Add	43.00	
			For Each Additional Top Copes >2, Add	1.47	
			For Structural Tees, WT, MT Or ST, Deduct	-64.97	
			For Skewed Or Sloped Connections, Add	25.80	
05 12 23 00-0255	LF		W36 x 135 A992/A36 Structural Beam Or Girder.....	203.02	63.65
			For High Strength Low Alloy A572-50 Steel, Add	18.27	
			For High Strength Low Alloy A588 Steel, Add	40.60	
			For Each Additional Top Copes >2, Add	1.35	
			For Structural Tees, WT, MT Or ST, Deduct	-60.88	
			For Skewed Or Sloped Connections, Add	24.36	
05 12 23 00-0256	LF		W33 x 241 A992/A36 Structural Beam Or Girder.....	293.88	65.75
			For High Strength Low Alloy A572-50 Steel, Add	26.45	
			For High Strength Low Alloy A588 Steel, Add	58.78	
			For Each Additional Top Copes >2, Add	2.24	
			For Structural Tees, WT, MT Or ST, Deduct	-92.34	
			For Skewed Or Sloped Connections, Add	35.27	
05 12 23 00-0257	LF		W33 x 221 A992/A36 Structural Beam Or Girder.....	273.59	64.14
			For High Strength Low Alloy A572-50 Steel, Add	24.62	
			For High Strength Low Alloy A588 Steel, Add	54.72	
			For Each Additional Top Copes >2, Add	2.05	
			For Structural Tees, WT, MT Or ST, Deduct	-85.49	
			For Skewed Or Sloped Connections, Add	32.83	



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

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0258	LF		W33 x 201 A992/A36 Structural Beam Or Girder.....	257.43	66.36
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	51.49	
			<i>For Each Additional Top Copes >2, Add</i>	1.87	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-79.48	
			<i>For Skewed Or Sloped Connections, Add</i>	30.89	
05 12 23 00-0259	LF		W33 x 170 A992/A36 Structural Beam Or Girder.....	232.76	65.14
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.95	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	46.55	
			<i>For Each Additional Top Copes >2, Add</i>	1.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-71.05	
			<i>For Skewed Or Sloped Connections, Add</i>	27.93	
05 12 23 00-0260	LF		W33 x 152 A992/A36 Structural Beam Or Girder.....	215.50	60.49
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.10	
			<i>For Each Additional Top Copes >2, Add</i>	1.51	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.75	
			<i>For Skewed Or Sloped Connections, Add</i>	25.86	
05 12 23 00-0261	LF		W33 x 141 A992/A36 Structural Beam Or Girder.....	208.18	63.83
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	41.64	
			<i>For Each Additional Top Copes >2, Add</i>	1.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-62.65	
			<i>For Skewed Or Sloped Connections, Add</i>	24.98	
05 12 23 00-0262	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	198.48	63.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.86	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.70	
			<i>For Each Additional Top Copes >2, Add</i>	1.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.33	
			<i>For Skewed Or Sloped Connections, Add</i>	23.82	
05 12 23 00-0263	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	187.21	62.81
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.85	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.44	
			<i>For Each Additional Top Copes >2, Add</i>	1.20	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.47	
			<i>For Skewed Or Sloped Connections, Add</i>	22.47	
05 12 23 00-0264	LF		W30 x 211 A992/A36 Structural Beam Or Girder.....	263.19	64.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.69	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	52.64	
			<i>For Each Additional Top Copes >2, Add</i>	1.95	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-81.87	
			<i>For Skewed Or Sloped Connections, Add</i>	31.58	
05 12 23 00-0265	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	246.78	65.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	49.36	
			<i>For Each Additional Top Copes >2, Add</i>	1.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.82	
			<i>For Skewed Or Sloped Connections, Add</i>	29.61	
05 12 23 00-0266	LF		W30 x 173 A992/A36 Structural Beam Or Girder.....	229.86	61.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.69	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	45.97	
			<i>For Each Additional Top Copes >2, Add</i>	1.65	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-70.68	
			<i>For Skewed Or Sloped Connections, Add</i>	27.58	
05 12 23 00-0267	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	215.19	64.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.04	
			<i>For Each Additional Top Copes >2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.03	
			<i>For Skewed Or Sloped Connections, Add</i>	25.82	
05 12 23 00-0268	LF		W30 x 132 A992/A36 Structural Beam Or Girder.....	195.77	58.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.15	
			<i>For Each Additional Top Copes >2, Add</i>	1.33	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.09	
			<i>For Skewed Or Sloped Connections, Add</i>	23.49	
05 12 23 00-0269	LF		W30 x 124 A992/A36 Structural Beam Or Girder.....	187.68	58.92
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.89	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.54	
			<i>For Each Additional Top Copes >2, Add</i>	1.25	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.26	
			<i>For Skewed Or Sloped Connections, Add</i>	22.52	
05 12 23 00-0270	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	183.69	62.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.74	
			<i>For Each Additional Top Copes >2, Add</i>	1.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-54.26	
			<i>For Skewed Or Sloped Connections, Add</i>	22.04	
05 12 23 00-0271	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	169.50	56.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.26	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.90	
			<i>For Each Additional Top Copes >2, Add</i>	1.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.30	
			<i>For Skewed Or Sloped Connections, Add</i>	20.34	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0272	LF		W30 x 99 A992/A36 Structural Beam Or Girder.....	162.59	56.19
			For High Strength Low Alloy A572-50 Steel, Add	14.63	
			For High Strength Low Alloy A588 Steel, Add	32.52	
			For Each Additional Top Copes >2, Add	1.03	
			For Structural Tees, WT, MT Or ST, Deduct	-47.93	
			For Skewed Or Sloped Connections, Add	19.51	
05 12 23 00-0273	LF		W27 x 178 A992/A36 Structural Beam Or Girder.....	256.72	71.54
			For High Strength Low Alloy A572-50 Steel, Add	23.10	
			For High Strength Low Alloy A588 Steel, Add	51.34	
			For Each Additional Top Copes >2, Add	1.80	
			For Structural Tees, WT, MT Or ST, Deduct	-78.41	
			For Skewed Or Sloped Connections, Add	30.81	
05 12 23 00-0274	LF		W27 x 161 A992/A36 Structural Beam Or Girder.....	236.61	68.84
			For High Strength Low Alloy A572-50 Steel, Add	21.29	
			For High Strength Low Alloy A588 Steel, Add	47.32	
			For Each Additional Top Copes >2, Add	1.63	
			For Structural Tees, WT, MT Or ST, Deduct	-71.80	
			For Skewed Or Sloped Connections, Add	28.39	
05 12 23 00-0275	LF		W27 x 146 A992/A36 Structural Beam Or Girder.....	218.81	66.40
			For High Strength Low Alloy A572-50 Steel, Add	19.69	
			For High Strength Low Alloy A588 Steel, Add	43.76	
			For Each Additional Top Copes >2, Add	1.48	
			For Structural Tees, WT, MT Or ST, Deduct	-65.96	
			For Skewed Or Sloped Connections, Add	26.26	
05 12 23 00-0276	LF		W27 x 114 A992/A36 Structural Beam Or Girder.....	174.38	55.16
			For High Strength Low Alloy A572-50 Steel, Add	15.69	
			For High Strength Low Alloy A588 Steel, Add	34.88	
			For Each Additional Top Copes >2, Add	1.16	
			For Structural Tees, WT, MT Or ST, Deduct	-52.21	
			For Skewed Or Sloped Connections, Add	20.93	
05 12 23 00-0277	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	163.30	56.19
			For High Strength Low Alloy A572-50 Steel, Add	14.70	
			For High Strength Low Alloy A588 Steel, Add	32.66	
			For Each Additional Top Copes >2, Add	1.03	
			For Structural Tees, WT, MT Or ST, Deduct	-48.17	
			For Skewed Or Sloped Connections, Add	19.60	
05 12 23 00-0278	LF		W27 x 94 A992/A36 Structural Beam Or Girder.....	156.80	55.82
			For High Strength Low Alloy A572-50 Steel, Add	14.11	
			For High Strength Low Alloy A588 Steel, Add	31.36	
			For Each Additional Top Copes >2, Add	0.97	
			For Structural Tees, WT, MT Or ST, Deduct	-45.95	
			For Skewed Or Sloped Connections, Add	18.82	
05 12 23 00-0279	LF		W27 x 84 A992/A36 Structural Beam Or Girder.....	148.85	55.44
			For High Strength Low Alloy A572-50 Steel, Add	13.40	
			For High Strength Low Alloy A588 Steel, Add	29.77	
			For Each Additional Top Copes >2, Add	0.90	
			For Structural Tees, WT, MT Or ST, Deduct	-43.24	
			For Skewed Or Sloped Connections, Add	17.86	
05 12 23 00-0280	LF		W24 x 162 A992/A36 Structural Beam Or Girder.....	227.80	66.00
			For High Strength Low Alloy A572-50 Steel, Add	20.50	
			For High Strength Low Alloy A588 Steel, Add	45.56	
			For Each Additional Top Copes >2, Add	1.57	
			For Structural Tees, WT, MT Or ST, Deduct	-69.17	
			For Skewed Or Sloped Connections, Add	27.34	
05 12 23 00-0281	LF		W24 x 146 A992/A36 Structural Beam Or Girder.....	209.35	63.27
			For High Strength Low Alloy A572-50 Steel, Add	18.84	
			For High Strength Low Alloy A588 Steel, Add	41.87	
			For Each Additional Top Copes >2, Add	1.42	
			For Structural Tees, WT, MT Or ST, Deduct	-63.15	
			For Skewed Or Sloped Connections, Add	25.12	
05 12 23 00-0282	LF		W24 x 131 A992/A36 Structural Beam Or Girder.....	191.70	60.40
			For High Strength Low Alloy A572-50 Steel, Add	17.25	
			For High Strength Low Alloy A588 Steel, Add	38.34	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-57.43	
			For Skewed Or Sloped Connections, Add	23.00	
05 12 23 00-0283	LF		W24 x 117 A992/A36 Structural Beam Or Girder.....	174.88	57.39
			For High Strength Low Alloy A572-50 Steel, Add	15.74	
			For High Strength Low Alloy A588 Steel, Add	34.98	
			For Each Additional Top Copes >2, Add	1.14	
			For Structural Tees, WT, MT Or ST, Deduct	-52.03	
			For Skewed Or Sloped Connections, Add	20.99	
05 12 23 00-0284	LF		W24 x 104 A992/A36 Structural Beam Or Girder.....	158.92	54.27
			For High Strength Low Alloy A572-50 Steel, Add	14.30	
			For High Strength Low Alloy A588 Steel, Add	31.78	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-46.94	
			For Skewed Or Sloped Connections, Add	19.07	
05 12 23 00-0285	LF		W24 x 94 A992/A36 Structural Beam Or Girder.....	150.88	55.82
			For High Strength Low Alloy A572-50 Steel, Add	13.58	
			For High Strength Low Alloy A588 Steel, Add	30.18	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-43.88	
			For Skewed Or Sloped Connections, Add	18.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0286	LF W24 x 84 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	137.21 12.35 27.44 0.84 -40.10 16.47	49.48
05	12	23	00-0287	LF W24 x 76 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	131.11 11.80 26.22 0.79 -38.02 15.73	49.11
05	12	23	00-0288	LF W24 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	123.48 11.11 24.70 0.71 -35.40 14.82	48.84
05	12	23	00-0289	LF W24 x 62 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	119.46 10.75 23.89 0.68 -34.04 14.34	48.56
05	12	23	00-0290	LF W24 x 55 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	113.98 10.26 22.80 0.62 -32.16 13.68	48.37
05	12	23	00-0291	LF W21 x 147 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	198.15 17.83 39.63 1.40 -60.67 23.78	54.28
05	12	23	00-0292	LF W21 x 132 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	181.25 16.31 36.25 1.26 -55.14 21.75	51.85
05	12	23	00-0293	LF W21 x 122 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	170.78 15.37 34.16 1.16 -51.62 20.49	50.99
05	12	23	00-0294	LF W21 x 111 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	158.54 14.27 31.71 1.06 -47.59 19.02	49.35
05	12	23	00-0295	LF W21 x 101 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	147.31 13.26 29.46 0.96 -43.92 17.68	47.77
05	12	23	00-0296	LF W21 x 93 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	142.13 12.79 28.43 0.89 -41.74 17.06	50.05
05	12	23	00-0297	LF W21 x 83 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	134.92 12.14 26.98 0.82 -39.30 16.19	49.48
05	12	23	00-0298	LF W21 x 73 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	126.14 11.35 25.23 0.74 -36.29 15.14	49.11
05	12	23	00-0299	LF W21 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	121.71 10.95 24.34 0.70 -34.78 14.61	48.84

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0300	LF		W21 x 62 A992/A36 Structural Beam Or Girder.....	117.69	48.56
			For High Strength Low Alloy A572-50 Steel, Add	10.59	
			For High Strength Low Alloy A588 Steel, Add	23.54	
			For Each Additional Top Copes >2, Add	0.66	
			For Structural Tees, WT, MT Or ST, Deduct	-33.42	
			For Skewed Or Sloped Connections, Add	14.12	
05 12 23 00-0301	LF		W21 x 57 A992/A36 Structural Beam Or Girder.....	114.07	48.46
			For High Strength Low Alloy A572-50 Steel, Add	10.27	
			For High Strength Low Alloy A588 Steel, Add	22.81	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-32.18	
			For Skewed Or Sloped Connections, Add	13.69	
05 12 23 00-0302	LF		W21 x 50 A992/A36 Structural Beam Or Girder.....	100.92	42.03
			For High Strength Low Alloy A572-50 Steel, Add	9.08	
			For High Strength Low Alloy A588 Steel, Add	20.18	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-28.58	
			For Skewed Or Sloped Connections, Add	12.11	
05 12 23 00-0303	LF		W21 x 44 A992/A36 Structural Beam Or Girder.....	96.69	41.84
			For High Strength Low Alloy A572-50 Steel, Add	8.70	
			For High Strength Low Alloy A588 Steel, Add	19.34	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-27.15	
			For Skewed Or Sloped Connections, Add	11.60	
05 12 23 00-0304	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	166.50	50.80
			For High Strength Low Alloy A572-50 Steel, Add	14.99	
			For High Strength Low Alloy A588 Steel, Add	33.30	
			For Each Additional Top Copes >2, Add	1.12	
			For Structural Tees, WT, MT Or ST, Deduct	-50.15	
			For Skewed Or Sloped Connections, Add	19.98	
05 12 23 00-0305	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	151.39	48.15
			For High Strength Low Alloy A572-50 Steel, Add	13.63	
			For High Strength Low Alloy A588 Steel, Add	30.28	
			For Each Additional Top Copes >2, Add	1.00	
			For Structural Tees, WT, MT Or ST, Deduct	-45.28	
			For Skewed Or Sloped Connections, Add	18.17	
05 12 23 00-0306	LF		W18 x 97 A992/A36 Structural Beam Or Girder.....	145.04	50.05
			For High Strength Low Alloy A572-50 Steel, Add	13.05	
			For High Strength Low Alloy A588 Steel, Add	29.01	
			For Each Additional Top Copes >2, Add	0.92	
			For Structural Tees, WT, MT Or ST, Deduct	-42.74	
			For Skewed Or Sloped Connections, Add	17.40	
05 12 23 00-0307	LF		W18 x 86 A992/A36 Structural Beam Or Girder.....	136.78	49.58
			For High Strength Low Alloy A572-50 Steel, Add	12.31	
			For High Strength Low Alloy A588 Steel, Add	27.36	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-39.93	
			For Skewed Or Sloped Connections, Add	16.41	
05 12 23 00-0308	LF		W18 x 76 A992/A36 Structural Beam Or Girder.....	129.35	49.11
			For High Strength Low Alloy A572-50 Steel, Add	11.64	
			For High Strength Low Alloy A588 Steel, Add	25.87	
			For Each Additional Top Copes >2, Add	0.77	
			For Structural Tees, WT, MT Or ST, Deduct	-37.40	
			For Skewed Or Sloped Connections, Add	15.52	
05 12 23 00-0309	LF		W18 x 71 A992/A36 Structural Beam Or Girder.....	123.97	49.01
			For High Strength Low Alloy A572-50 Steel, Add	11.16	
			For High Strength Low Alloy A588 Steel, Add	24.79	
			For Each Additional Top Copes >2, Add	0.72	
			For Structural Tees, WT, MT Or ST, Deduct	-35.55	
			For Skewed Or Sloped Connections, Add	14.88	
05 12 23 00-0310	LF		W18 x 65 A992/A36 Structural Beam Or Girder.....	118.70	48.84
			For High Strength Low Alloy A572-50 Steel, Add	10.68	
			For High Strength Low Alloy A588 Steel, Add	23.74	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-33.75	
			For Skewed Or Sloped Connections, Add	14.24	
05 12 23 00-0311	LF		W18 x 60 A992/A36 Structural Beam Or Girder.....	113.96	48.46
			For High Strength Low Alloy A572-50 Steel, Add	10.26	
			For High Strength Low Alloy A588 Steel, Add	22.79	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-32.13	
			For Skewed Or Sloped Connections, Add	13.68	
05 12 23 00-0312	LF		W18 x 55 A992/A36 Structural Beam Or Girder.....	109.20	48.37
			For High Strength Low Alloy A572-50 Steel, Add	9.83	
			For High Strength Low Alloy A588 Steel, Add	21.84	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-30.49	
			For Skewed Or Sloped Connections, Add	13.10	
05 12 23 00-0313	LF		W18 x 50 A992/A36 Structural Beam Or Girder.....	98.01	42.03
			For High Strength Low Alloy A572-50 Steel, Add	8.82	
			For High Strength Low Alloy A588 Steel, Add	19.60	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-27.57	
			For Skewed Or Sloped Connections, Add	11.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0314	LF W18 x 46 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	94.29 8.49 18.86 0.50 -26.29 11.31	41.94
05	12	23	00-0315	LF W18 x 40 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	82.26 7.40 16.45 0.44 -23.06 9.87	35.79
05	12	23	00-0316	LF W18 x 35 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	77.61 6.98 15.52 0.40 -21.46 9.31	35.69
05	12	23	00-0317	LF W16 x 100 A992/A36 Structural Beam Or Girder..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	133.05 11.97 26.61 0.98 -41.37 15.97	32.53
05	12	23	00-0318	LF W16 x 89 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	122.53 11.03 24.51 0.88 -37.77 14.70	31.96
05	12	23	00-0319	LF W16 x 77 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	111.25 10.01 22.25 0.78 -33.89 13.35	31.59
05	12	23	00-0320	LF W16 x 67 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	101.64 9.15 20.33 0.68 -30.60 12.20	31.13
05	12	23	00-0321	LF W16 x 57 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	92.14 8.29 18.43 0.59 -27.34 11.06	30.66
05	12	23	00-0322	LF W16 x 50 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	85.52 7.70 17.10 0.53 -25.07 10.26	30.38
05	12	23	00-0323	LF W16 x 45 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	80.88 7.28 16.18 0.49 -23.47 9.71	30.19
05	12	23	00-0324	LF W16 x 40 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	76.01 6.84 15.20 0.44 -21.81 9.12	29.91
05	12	23	00-0325	LF W16 x 36 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	72.20 6.50 14.44 0.41 -20.52 8.66	29.72
05	12	23	00-0326	LF W16 x 31 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	61.20 5.51 12.24 0.36 -17.63 7.34	23.67
05	12	23	00-0327	LF W16 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	55.11 4.96 11.02 0.30 -15.54 6.61	23.39

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF		W14 x 99 A992/A36 Structural Beam Or Girder.....	125.88	26.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.18	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.80	
			<i>For Skewed Or Sloped Connections, Add</i>	15.11	
05 12 23 00-0329	LF		W14 x 90 A992/A36 Structural Beam Or Girder.....	117.30	26.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.56	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.46	
			<i>For Each Additional Top Copes >2, Add</i>	0.89	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.86	
			<i>For Skewed Or Sloped Connections, Add</i>	14.08	
05 12 23 00-0330	LF		W14 x 82 A992/A36 Structural Beam Or Girder.....	109.67	25.91
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.93	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.25	
			<i>For Skewed Or Sloped Connections, Add</i>	13.16	
05 12 23 00-0331	LF		W14 x 74 A992/A36 Structural Beam Or Girder.....	102.03	25.53
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.41	
			<i>For Each Additional Top Copes >2, Add</i>	0.75	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.63	
			<i>For Skewed Or Sloped Connections, Add</i>	12.24	
05 12 23 00-0332	LF		W14 x 68 A992/A36 Structural Beam Or Girder.....	96.34	25.25
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.27	
			<i>For Each Additional Top Copes >2, Add</i>	0.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.68	
			<i>For Skewed Or Sloped Connections, Add</i>	11.56	
05 12 23 00-0333	LF		W14 x 61 A992/A36 Structural Beam Or Girder.....	89.72	24.97
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.07	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.94	
			<i>For Each Additional Top Copes >2, Add</i>	0.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.40	
			<i>For Skewed Or Sloped Connections, Add</i>	10.77	
05 12 23 00-0334	LF		W14 x 53 A992/A36 Structural Beam Or Girder.....	82.18	24.61
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.44	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.82	
			<i>For Skewed Or Sloped Connections, Add</i>	9.86	
05 12 23 00-0335	LF		W14 x 48 A992/A36 Structural Beam Or Girder.....	77.33	24.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.96	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.47	
			<i>For Each Additional Top Copes >2, Add</i>	0.51	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.17	
			<i>For Skewed Or Sloped Connections, Add</i>	9.28	
05 12 23 00-0336	LF		W14 x 43 A992/A36 Structural Beam Or Girder.....	72.57	24.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.51	
			<i>For Each Additional Top Copes >2, Add</i>	0.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.53	
			<i>For Skewed Or Sloped Connections, Add</i>	8.71	
05 12 23 00-0337	LF		W14 x 38 A992/A36 Structural Beam Or Girder.....	67.82	24.04
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.56	
			<i>For Each Additional Top Copes >2, Add</i>	0.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.91	
			<i>For Skewed Or Sloped Connections, Add</i>	8.14	
05 12 23 00-0338	LF		W14 x 34 A992/A36 Structural Beam Or Girder.....	64.00	23.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.80	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.60	
			<i>For Skewed Or Sloped Connections, Add</i>	7.68	
05 12 23 00-0339	LF		W14 x 30 A992/A36 Structural Beam Or Girder.....	60.17	23.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.42	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.35	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.29	
			<i>For Skewed Or Sloped Connections, Add</i>	7.22	
05 12 23 00-0340	LF		W14 x 26 A992/A36 Structural Beam Or Girder.....	56.35	23.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.07	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.27	
			<i>For Each Additional Top Copes >2, Add</i>	0.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.98	
			<i>For Skewed Or Sloped Connections, Add</i>	6.76	
05 12 23 00-0341	LF		W14 x 22 A992/A36 Structural Beam Or Girder.....	52.63	23.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.53	
			<i>For Each Additional Top Copes >2, Add</i>	0.28	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-14.70	
			<i>For Skewed Or Sloped Connections, Add</i>	6.32	



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

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342	LF		W12 x 87 A992/A36 Structural Beam Or Girder	114.52	26.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.90	
			<i>For Each Additional Top Copes >2, Add</i>	0.87	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.90	
			<i>For Skewed Or Sloped Connections, Add</i>	13.74	
05 12 23 00-0343	LF		W12 x 79 A992/A36 Structural Beam Or Girder	106.87	25.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.37	
			<i>For Each Additional Top Copes >2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.28	
			<i>For Skewed Or Sloped Connections, Add</i>	12.82	
05 12 23 00-0344	LF		W12 x 72 A992/A36 Structural Beam Or Girder	100.16	25.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.03	
			<i>For Each Additional Top Copes >2, Add</i>	0.73	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.99	
			<i>For Skewed Or Sloped Connections, Add</i>	12.02	
05 12 23 00-0345	LF		W12 x 65 A992/A36 Structural Beam Or Girder	93.54	25.16
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.42	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.71	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.71	
			<i>For Skewed Or Sloped Connections, Add</i>	11.22	
05 12 23 00-0346	LF		W12 x 58 A992/A36 Structural Beam Or Girder	86.83	24.79
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.37	
			<i>For Each Additional Top Copes >2, Add</i>	0.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.42	
			<i>For Skewed Or Sloped Connections, Add</i>	10.42	
05 12 23 00-0347	LF		W12 x 53 A992/A36 Structural Beam Or Girder	82.18	24.61
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.44	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.82	
			<i>For Skewed Or Sloped Connections, Add</i>	9.86	
05 12 23 00-0348	LF		W12 x 50 A992/A36 Structural Beam Or Girder	79.19	24.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.84	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.80	
			<i>For Skewed Or Sloped Connections, Add</i>	9.50	
05 12 23 00-0349	LF		W12 x 45 A992/A36 Structural Beam Or Girder	74.54	24.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.71	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.91	
			<i>For Each Additional Top Copes >2, Add</i>	0.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.20	
			<i>For Skewed Or Sloped Connections, Add</i>	8.94	
05 12 23 00-0350	LF		W12 x 40 A992/A36 Structural Beam Or Girder	63.34	18.08
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.67	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.28	
			<i>For Skewed Or Sloped Connections, Add</i>	7.60	
05 12 23 00-0351	LF		W12 x 35 A992/A36 Structural Beam Or Girder	58.69	17.99
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.28	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.74	
			<i>For Each Additional Top Copes >2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.68	
			<i>For Skewed Or Sloped Connections, Add</i>	7.04	
05 12 23 00-0352	LF		W12 x 30 A992/A36 Structural Beam Or Girder	53.83	17.71
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.77	
			<i>For Each Additional Top Copes >2, Add</i>	0.35	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.02	
			<i>For Skewed Or Sloped Connections, Add</i>	6.46	
05 12 23 00-0353	LF		W12 x 26 A992/A36 Structural Beam Or Girder	50.01	17.52
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.50	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.00	
			<i>For Each Additional Top Copes >2, Add</i>	0.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-14.71	
			<i>For Skewed Or Sloped Connections, Add</i>	6.00	
05 12 23 00-0354	LF		W12 x 22 A992/A36 Structural Beam Or Girder	46.30	17.33
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	9.26	
			<i>For Each Additional Top Copes >2, Add</i>	0.28	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.44	
			<i>For Skewed Or Sloped Connections, Add</i>	5.56	
05 12 23 00-0355	LF		W12 x 19 A992/A36 Structural Beam Or Girder	43.40	17.24
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.91	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	8.68	
			<i>For Each Additional Top Copes >2, Add</i>	0.25	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-12.44	
			<i>For Skewed Or Sloped Connections, Add</i>	5.21	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0356	LF		W12 x 16 A992/A36 Structural Beam Or Girder.....	40.52	16.96
			For High Strength Low Alloy A572-50 Steel, Add	3.65	
			For High Strength Low Alloy A588 Steel, Add	8.10	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-11.46	
			For Skewed Or Sloped Connections, Add	4.86	
05 12 23 00-0357	LF		W12 x 14 A992/A36 Structural Beam Or Girder.....	38.65	16.96
			For High Strength Low Alloy A572-50 Steel, Add	3.48	
			For High Strength Low Alloy A588 Steel, Add	7.73	
			For Each Additional Top Copes >2, Add	0.21	
			For Structural Tees, WT, MT Or ST, Deduct	-10.82	
			For Skewed Or Sloped Connections, Add	4.64	
05 12 23 00-0358	LF		W10 x 68 A992/A36 Structural Beam Or Girder.....	90.30	19.48
			For High Strength Low Alloy A572-50 Steel, Add	8.13	
			For High Strength Low Alloy A588 Steel, Add	18.06	
			For Each Additional Top Copes >2, Add	0.70	
			For Structural Tees, WT, MT Or ST, Deduct	-28.50	
			For Skewed Or Sloped Connections, Add	10.84	
05 12 23 00-0359	LF		W10 x 60 A992/A36 Structural Beam Or Girder.....	82.75	19.10
			For High Strength Low Alloy A572-50 Steel, Add	7.45	
			For High Strength Low Alloy A588 Steel, Add	16.55	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-25.92	
			For Skewed Or Sloped Connections, Add	9.93	
05 12 23 00-0360	LF		W10 x 54 A992/A36 Structural Beam Or Girder.....	76.98	18.73
			For High Strength Low Alloy A572-50 Steel, Add	6.93	
			For High Strength Low Alloy A588 Steel, Add	15.40	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-23.94	
			For Skewed Or Sloped Connections, Add	9.24	
05 12 23 00-0361	LF		W10 x 49 A992/A36 Structural Beam Or Girder.....	72.23	18.54
			For High Strength Low Alloy A572-50 Steel, Add	6.50	
			For High Strength Low Alloy A588 Steel, Add	14.45	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.32	
			For Skewed Or Sloped Connections, Add	8.67	
05 12 23 00-0362	LF		W10 x 45 A992/A36 Structural Beam Or Girder.....	68.40	18.45
			For High Strength Low Alloy A572-50 Steel, Add	6.16	
			For High Strength Low Alloy A588 Steel, Add	13.68	
			For Each Additional Top Copes >2, Add	0.49	
			For Structural Tees, WT, MT Or ST, Deduct	-21.00	
			For Skewed Or Sloped Connections, Add	8.21	
05 12 23 00-0363	LF		W10 x 39 A992/A36 Structural Beam Or Girder.....	62.72	18.08
			For High Strength Low Alloy A572-50 Steel, Add	5.64	
			For High Strength Low Alloy A588 Steel, Add	12.54	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-19.06	
			For Skewed Or Sloped Connections, Add	7.53	
05 12 23 00-0364	LF		W10 x 33 A992/A36 Structural Beam Or Girder.....	57.04	17.80
			For High Strength Low Alloy A572-50 Steel, Add	5.13	
			For High Strength Low Alloy A588 Steel, Add	11.41	
			For Each Additional Top Copes >2, Add	0.38	
			For Structural Tees, WT, MT Or ST, Deduct	-17.11	
			For Skewed Or Sloped Connections, Add	6.84	
05 12 23 00-0365	LF		W10 x 30 A992/A36 Structural Beam Or Girder.....	54.14	17.71
			For High Strength Low Alloy A572-50 Steel, Add	4.87	
			For High Strength Low Alloy A588 Steel, Add	10.83	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-16.11	
			For Skewed Or Sloped Connections, Add	6.50	
05 12 23 00-0366	LF		W10 x 26 A992/A36 Structural Beam Or Girder.....	50.42	17.61
			For High Strength Low Alloy A572-50 Steel, Add	4.54	
			For High Strength Low Alloy A588 Steel, Add	10.08	
			For Each Additional Top Copes >2, Add	0.32	
			For Structural Tees, WT, MT Or ST, Deduct	-14.84	
			For Skewed Or Sloped Connections, Add	6.05	
05 12 23 00-0367	LF		W10 x 22 A992/A36 Structural Beam Or Girder.....	46.50	17.33
			For High Strength Low Alloy A572-50 Steel, Add	4.19	
			For High Strength Low Alloy A588 Steel, Add	9.30	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-13.51	
			For Skewed Or Sloped Connections, Add	5.58	
05 12 23 00-0368	LF		W10 x 19 A992/A36 Structural Beam Or Girder.....	43.71	17.24
			For High Strength Low Alloy A572-50 Steel, Add	3.93	
			For High Strength Low Alloy A588 Steel, Add	8.74	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.54	
			For Skewed Or Sloped Connections, Add	5.25	
05 12 23 00-0369	LF		W10 x 17 A992/A36 Structural Beam Or Girder.....	41.75	17.14
			For High Strength Low Alloy A572-50 Steel, Add	3.76	
			For High Strength Low Alloy A588 Steel, Add	8.35	
			For Each Additional Top Copes >2, Add	0.23	
			For Structural Tees, WT, MT Or ST, Deduct	-11.87	
			For Skewed Or Sloped Connections, Add	5.01	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0370 LF W10 x 15 A992/A36 Structural Beam Or Girder	39.90	16.96
For High Strength Low Alloy A572-50 Steel, Add	3.59	
For High Strength Low Alloy A588 Steel, Add	7.98	
For Each Additional Top Copes >2, Add	0.22	
For Structural Tees, WT, MT Or ST, Deduct	-11.24	
For Skewed Or Sloped Connections, Add	4.79	
05 12 23 00-0371 LF W10 x 12 A992/A36 Structural Beam Or Girder	37.09	16.96
For High Strength Low Alloy A572-50 Steel, Add	3.34	
For High Strength Low Alloy A588 Steel, Add	7.42	
For Each Additional Top Copes >2, Add	0.19	
For Structural Tees, WT, MT Or ST, Deduct	-10.27	
For Skewed Or Sloped Connections, Add	4.45	
05 12 23 00-0372 LF W8 x 35 A992/A36 Structural Beam Or Girder	58.89	17.99
For High Strength Low Alloy A572-50 Steel, Add	5.30	
For High Strength Low Alloy A588 Steel, Add	11.78	
For Each Additional Top Copes >2, Add	0.40	
For Structural Tees, WT, MT Or ST, Deduct	-17.75	
For Skewed Or Sloped Connections, Add	7.07	
05 12 23 00-0373 LF W8 x 31 A992/A36 Structural Beam Or Girder	55.08	17.71
For High Strength Low Alloy A572-50 Steel, Add	4.96	
For High Strength Low Alloy A588 Steel, Add	11.02	
For Each Additional Top Copes >2, Add	0.36	
For Structural Tees, WT, MT Or ST, Deduct	-16.44	
For Skewed Or Sloped Connections, Add	6.61	
05 12 23 00-0374 LF W8 x 28 A992/A36 Structural Beam Or Girder	51.25	16.69
For High Strength Low Alloy A572-50 Steel, Add	4.61	
For High Strength Low Alloy A588 Steel, Add	10.25	
For Each Additional Top Copes >2, Add	0.33	
For Structural Tees, WT, MT Or ST, Deduct	-15.27	
For Skewed Or Sloped Connections, Add	6.15	
05 12 23 00-0375 LF W8 x 24 A992/A36 Structural Beam Or Girder	46.83	15.65
For High Strength Low Alloy A572-50 Steel, Add	4.21	
For High Strength Low Alloy A588 Steel, Add	9.37	
For Each Additional Top Copes >2, Add	0.30	
For Structural Tees, WT, MT Or ST, Deduct	-13.89	
For Skewed Or Sloped Connections, Add	5.62	
05 12 23 00-0376 LF W8 x 21 A992/A36 Structural Beam Or Girder	43.58	14.54
For High Strength Low Alloy A572-50 Steel, Add	3.92	
For High Strength Low Alloy A588 Steel, Add	8.72	
For Each Additional Top Copes >2, Add	0.28	
For Structural Tees, WT, MT Or ST, Deduct	-12.92	
For Skewed Or Sloped Connections, Add	5.23	
05 12 23 00-0377 LF W8 x 18 A992/A36 Structural Beam Or Girder	38.29	13.52
For High Strength Low Alloy A572-50 Steel, Add	3.45	
For High Strength Low Alloy A588 Steel, Add	7.66	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-11.24	
For Skewed Or Sloped Connections, Add	4.59	
05 12 23 00-0378 LF W8 x 10 A992/A36 Structural Beam Or Girder	23.00	9.69
For High Strength Low Alloy A572-50 Steel, Add	2.07	
For High Strength Low Alloy A588 Steel, Add	4.60	
For Each Additional Top Copes >2, Add	0.13	
For Structural Tees, WT, MT Or ST, Deduct	-6.51	
For Skewed Or Sloped Connections, Add	2.76	
05 12 23 00-0379 LF W6 x 9 A992/A36 Structural Beam Or Girder	20.96	7.92
For High Strength Low Alloy A572-50 Steel, Add	1.89	
For High Strength Low Alloy A588 Steel, Add	4.19	
For Each Additional Top Copes >2, Add	0.13	
For Structural Tees, WT, MT Or ST, Deduct	-6.08	
For Skewed Or Sloped Connections, Add	2.52	
05 12 23 00-0380 A992/A36 Structural Steel, M Shapes (05 12 23 00-0162)		
Note: Includes material delivery and erection.		
05 12 23 00-0381 LF M14 x 18 A992/A36 Structural Steel	43.20	13.39
For High Strength Low Alloy A572-50 Steel, Add	3.89	
For High Strength Low Alloy A588 Grade B Steel, Add	8.64	
05 12 23 00-0382 LF M12 x 11.8 A992/A36 Structural Steel	31.58	11.84
For High Strength Low Alloy A572-50 Steel, Add	2.84	
For High Strength Low Alloy A588 Grade B Steel, Add	6.32	
05 12 23 00-0383 LF M10 x 9 A992/A36 Structural Steel	24.59	9.50
For High Strength Low Alloy A572-50 Steel, Add	2.21	
For High Strength Low Alloy A588 Grade B Steel, Add	4.92	
05 12 23 00-0384 LF M8 x 6.5 A992/A36 Structural Steel	17.77	6.86
For High Strength Low Alloy A572-50 Steel, Add	1.60	
For High Strength Low Alloy A588 Grade B Steel, Add	3.55	
05 12 23 00-0385 LF M6 x 20 A992/A36 Structural Steel	47.98	15.01
For High Strength Low Alloy A572-50 Steel, Add	4.32	
For High Strength Low Alloy A588 Grade B Steel, Add	9.60	
05 12 23 00-0386 LF M6 x 4.4 A992/A36 Structural Steel	12.01	4.64
For High Strength Low Alloy A572-50 Steel, Add	1.08	
For High Strength Low Alloy A588 Grade B Steel, Add	2.40	
05 12 23 00-0387 LF M5 x 18.9 A992/A36 Structural Steel	46.35	15.01
For High Strength Low Alloy A572-50 Steel, Add	4.17	
For High Strength Low Alloy A588 Grade B Steel, Add	9.27	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0388 LF M4 x 13 A992/A36 Structural Steel	38.51	14.73
For High Strength Low Alloy A572-50 Steel, Add	3.47	
For High Strength Low Alloy A588 Grade B Steel, Add	7.70	
05 12 23 00-0389 A992/A36 Structural Steel, S Shapes <small>(05 12 23 00-0162)</small>		
Note: Includes material delivery and erection.		
05 12 23 00-0390 LF S24 x 121 A992/A36 Structural Steel	256.48	67.80
For High Strength Low Alloy A572-50 Steel, Add	23.08	
For High Strength Low Alloy A588 Grade B Steel, Add	51.30	
05 12 23 00-0391 LF S24 x 106 A992/A36 Structural Steel	228.02	62.52
For High Strength Low Alloy A572-50 Steel, Add	20.52	
For High Strength Low Alloy A588 Grade B Steel, Add	45.60	
05 12 23 00-0392 LF S24 x 100 A992/A36 Structural Steel	218.42	62.09
For High Strength Low Alloy A572-50 Steel, Add	19.66	
For High Strength Low Alloy A588 Grade B Steel, Add	43.68	
05 12 23 00-0393 LF S24 x 90 A992/A36 Structural Steel	199.71	58.83
For High Strength Low Alloy A572-50 Steel, Add	17.97	
For High Strength Low Alloy A588 Grade B Steel, Add	39.94	
05 12 23 00-0394 LF S24 x 80 A992/A36 Structural Steel	180.45	55.04
For High Strength Low Alloy A572-50 Steel, Add	16.24	
For High Strength Low Alloy A588 Grade B Steel, Add	36.09	
05 12 23 00-0395 LF S20 x 96 A992/A36 Structural Steel	209.69	59.60
For High Strength Low Alloy A572-50 Steel, Add	18.87	
For High Strength Low Alloy A588 Grade B Steel, Add	41.94	
05 12 23 00-0396 LF S20 x 86 A992/A36 Structural Steel	190.83	56.21
For High Strength Low Alloy A572-50 Steel, Add	17.17	
For High Strength Low Alloy A588 Grade B Steel, Add	38.17	
05 12 23 00-0397 LF S20 x 75 A992/A36 Structural Steel	169.17	51.60
For High Strength Low Alloy A572-50 Steel, Add	15.23	
For High Strength Low Alloy A588 Grade B Steel, Add	33.83	
05 12 23 00-0398 LF S20 x 66 A992/A36 Structural Steel	151.43	47.80
For High Strength Low Alloy A572-50 Steel, Add	13.63	
For High Strength Low Alloy A588 Grade B Steel, Add	30.29	
05 12 23 00-0399 LF S18 x 70 A992/A36 Structural Steel	160.61	50.69
For High Strength Low Alloy A572-50 Steel, Add	14.45	
For High Strength Low Alloy A588 Grade B Steel, Add	32.12	
05 12 23 00-0400 LF S18 x 54.7 A992/A36 Structural Steel	127.72	41.70
For High Strength Low Alloy A572-50 Steel, Add	11.49	
For High Strength Low Alloy A588 Grade B Steel, Add	25.54	
05 12 23 00-0401 LF S15 x 50 A992/A36 Structural Steel	118.88	40.12
For High Strength Low Alloy A572-50 Steel, Add	10.70	
For High Strength Low Alloy A588 Grade B Steel, Add	23.78	
05 12 23 00-0402 LF S15 x 42.9 A992/A36 Structural Steel	103.93	36.23
For High Strength Low Alloy A572-50 Steel, Add	9.35	
For High Strength Low Alloy A588 Grade B Steel, Add	20.79	
05 12 23 00-0403 LF S12 x 50 A992/A36 Structural Steel	116.74	38.11
For High Strength Low Alloy A572-50 Steel, Add	10.51	
For High Strength Low Alloy A588 Grade B Steel, Add	23.35	
05 12 23 00-0404 LF S12 x 40.8 A992/A36 Structural Steel	97.01	32.74
For High Strength Low Alloy A572-50 Steel, Add	8.73	
For High Strength Low Alloy A588 Grade B Steel, Add	19.40	
05 12 23 00-0405 LF S12 x 35 A992/A36 Structural Steel	84.79	29.56
For High Strength Low Alloy A572-50 Steel, Add	7.63	
For High Strength Low Alloy A588 Grade B Steel, Add	16.96	
05 12 23 00-0406 LF S12 x 31.8 A992/A36 Structural Steel	78.55	28.27
For High Strength Low Alloy A572-50 Steel, Add	7.07	
For High Strength Low Alloy A588 Grade B Steel, Add	15.71	
05 12 23 00-0407 LF S10 x 35 A992/A36 Structural Steel	86.46	31.12
For High Strength Low Alloy A572-50 Steel, Add	7.78	
For High Strength Low Alloy A588 Grade B Steel, Add	17.29	
05 12 23 00-0408 LF S10 x 25.4 A992/A36 Structural Steel	64.01	23.77
For High Strength Low Alloy A572-50 Steel, Add	5.76	
For High Strength Low Alloy A588 Grade B Steel, Add	12.80	
05 12 23 00-0409 LF S8 x 23 A992/A36 Structural Steel	57.97	21.53
For High Strength Low Alloy A572-50 Steel, Add	5.22	
For High Strength Low Alloy A588 Grade B Steel, Add	11.59	
05 12 23 00-0410 LF S8 x 18.4 A992/A36 Structural Steel	47.33	18.13
For High Strength Low Alloy A572-50 Steel, Add	4.26	
For High Strength Low Alloy A588 Grade B Steel, Add	9.47	
05 12 23 00-0411 LF S7 x 20 A992/A36 Structural Steel	51.45	19.71
For High Strength Low Alloy A572-50 Steel, Add	4.63	
For High Strength Low Alloy A588 Grade B Steel, Add	10.29	
05 12 23 00-0412 LF S7 x 15.3 A992/A36 Structural Steel	40.21	15.87
For High Strength Low Alloy A572-50 Steel, Add	3.62	
For High Strength Low Alloy A588 Grade B Steel, Add	8.04	
05 12 23 00-0413 LF S6 x 17.25 A992/A36 Structural Steel	43.04	15.74
For High Strength Low Alloy A572-50 Steel, Add	3.87	
For High Strength Low Alloy A588 Grade B Steel, Add	8.61	
05 12 23 00-0414 LF S6 x 12.5 A992/A36 Structural Steel	37.10	14.54
For High Strength Low Alloy A572-50 Steel, Add	3.34	
For High Strength Low Alloy A588 Grade B Steel, Add	7.42	
05 12 23 00-0415 LF S5 x 14.75 A992/A36 Structural Steel	39.36	14.82
For High Strength Low Alloy A572-50 Steel, Add	3.54	
For High Strength Low Alloy A588 Grade B Steel, Add	7.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0416	LF		S5 x 10 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.79 3.04 6.76	14.44
05 12 23 00-0417	LF		S4 x 9.5 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.94 2.96 6.59	14.44
05 12 23 00-0418	LF		S4 x 7.7 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.95 2.79 6.19	14.44
05 12 23 00-0419	LF		S3 x 7.5 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.77 2.77 6.15	14.44
05 12 23 00-0420	LF		S3 x 5.7 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.42 2.56 5.68	14.35
05 12 23 00-0421			A992/A36 Structural Steel, HP Shapes <small>(05 12 23 00-0162)</small> Note: Includes material delivery and erection.		
05 12 23 00-0422	LF		HP14 x 117 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.23 13.70 30.45	20.09
05 12 23 00-0423	LF		HP14 x 102 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	133.50 12.02 26.70	18.69
05 12 23 00-0424	LF		HP14 x 89 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.18 10.73 23.84	17.53
05 12 23 00-0425	LF		HP14 x 73 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.20 8.93 19.84	16.53
05 12 23 00-0426	LF		HP13 x 100 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.88 11.78 26.18	18.33
05 12 23 00-0427	LF		HP13 x 87 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	116.51 10.49 23.30	17.14
05 12 23 00-0428	LF		HP13 x 73 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.20 8.93 19.84	16.53
05 12 23 00-0429	LF		HP13 x 60 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.53 7.61 16.91	15.83
05 12 23 00-0430	LF		HP12 x 84 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.40 9.94 22.08	18.08
05 12 23 00-0431	LF		HP12 x 74 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.83 8.80 19.57	17.05
05 12 23 00-0432	LF		HP12 x 63 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.49 7.60 16.90	15.68
05 12 23 00-0433	LF		HP12 x 53 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.61 6.98 15.52	14.91
05 12 23 00-0434	LF		HP10 x 57 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	81.64 7.35 16.33	15.30
05 12 23 00-0435	LF		HP10 x 42 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.75 6.10 13.55	14.34
05 12 23 00-0436	LF		HP8 x 36 A992/A36 Structural Steel..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.19 5.33 11.84	13.52
05 12 23 00-0437			Lightweight Framing Steel Shapes <small>(05 12 23)</small>		
05 12 23 00-0438			Angle Iron - L <small>(05 12 23 00-0437)</small>		
05 12 23 00-0439			1/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0440	LF		1/2" x 1/2" x 1/8" Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.10 -0.14 -0.19 -0.29 -0.39 0.86 0.05 0.17 0.77 0.42	1.37

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0441	LF		3/4" x 1/2" x 1/8" Angle Iron	2.41	1.55
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000, Deduct</i>	-0.44	
			<i>For 316 Stainless Steel, Add</i>	1.09	
			<i>For Aluminum, Add</i>	0.06	
			<i>For Galvanized Steel, Add</i>	0.21	
			<i>For 304 Stainless Steel, Add</i>	0.97	
			<i>For High Strength Steel (HSS), Add</i>	0.48	
05 12 23 00-0442	LF		3/4" x 3/4" x 1/8" Angle Iron	2.70	1.71
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000, Deduct</i>	-0.49	
			<i>For 316 Stainless Steel, Add</i>	1.34	
			<i>For Aluminum, Add</i>	0.08	
			<i>For Galvanized Steel, Add</i>	0.26	
			<i>For 304 Stainless Steel, Add</i>	1.20	
			<i>For High Strength Steel (HSS), Add</i>	0.54	
05 12 23 00-0443	LF		1" x 3/4" x 1/8" Angle Iron	3.04	1.90
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.41	
			<i>For >1,000, Deduct</i>	-0.55	
			<i>For 316 Stainless Steel, Add</i>	1.57	
			<i>For Aluminum, Add</i>	0.09	
			<i>For Galvanized Steel, Add</i>	0.30	
			<i>For 304 Stainless Steel, Add</i>	1.40	
			<i>For High Strength Steel (HSS), Add</i>	0.61	
05 12 23 00-0444	LF		1" x 1" x 1/8" Angle Iron	3.32	2.05
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000, Deduct</i>	-0.59	
			<i>For 316 Stainless Steel, Add</i>	1.82	
			<i>For Aluminum, Add</i>	0.10	
			<i>For Galvanized Steel, Add</i>	0.35	
			<i>For 304 Stainless Steel, Add</i>	1.62	
			<i>For High Strength Steel (HSS), Add</i>	0.66	
05 12 23 00-0445	LF		1-1/4" x 1-1/4" x 1/8" Angle Iron	3.95	2.43
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000, Deduct</i>	-0.70	
			<i>For 316 Stainless Steel, Add</i>	2.30	
			<i>For Aluminum, Add</i>	0.13	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.05	
			<i>For High Strength Steel (HSS), Add</i>	0.79	
05 12 23 00-0446	LF		1-1/2" x 1" x 1/8" Angle Iron	3.95	2.43
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000, Deduct</i>	-0.70	
			<i>For 316 Stainless Steel, Add</i>	2.30	
			<i>For Aluminum, Add</i>	0.13	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.05	
			<i>For High Strength Steel (HSS), Add</i>	0.79	
05 12 23 00-0447	LF		1-1/2" x 1-1/2" x 1/8" Angle Iron	4.73	2.90
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.62	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For 316 Stainless Steel, Add</i>	2.78	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.54	
			<i>For 304 Stainless Steel, Add</i>	2.48	
			<i>For High Strength Steel (HSS), Add</i>	0.95	
05 12 23 00-0448	LF		2" x 2" x 1/8" Angle Iron	6.43	3.95
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.14	
			<i>For 316 Stainless Steel, Add</i>	3.78	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.73	
			<i>For 304 Stainless Steel, Add</i>	3.36	
			<i>For High Strength Steel (HSS), Add</i>	1.29	

05 12 23 00-0449 3/16" Thick (05 12 23 00-0438)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0450 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron.....	4.46	2.56
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.76	
For 316 Stainless Steel, Add	3.36	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.65	
For 304 Stainless Steel, Add	2.99	
For High Strength Steel (HSS), Add	0.89	
05 12 23 00-0451 LF 1-1/2" x 1" x 3/16" Angle Iron.....	4.46	2.56
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.76	
For 316 Stainless Steel, Add	3.36	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.65	
For 304 Stainless Steel, Add	2.99	
For High Strength Steel (HSS), Add	0.89	
05 12 23 00-0452 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron.....	4.94	2.75
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.61	
For >1,000, Deduct	-0.83	
For 316 Stainless Steel, Add	4.10	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.79	
For 304 Stainless Steel, Add	3.65	
For High Strength Steel (HSS), Add	0.99	
05 12 23 00-0453 LF 2" x 2" x 3/16" Angle Iron.....	5.66	2.94
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.68	
For >1,000, Deduct	-0.91	
For 316 Stainless Steel, Add	5.57	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.08	
For 304 Stainless Steel, Add	4.96	
For High Strength Steel (HSS), Add	1.13	
05 12 23 00-0454 LF 2-1/2" x 2" x 3/16" Angle Iron.....	6.16	3.15
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.73	
For >1,000, Deduct	-0.99	
For 316 Stainless Steel, Add	6.27	
For Aluminum, Add	0.35	
For Galvanized Steel, Add	1.22	
For 304 Stainless Steel, Add	5.59	
For High Strength Steel (HSS), Add	1.23	
05 12 23 00-0455 LF 2-1/2" x 2-1/2" x 3/16" Angle Iron.....	6.70	3.37
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.79	
For >1,000, Deduct	-1.07	
For 316 Stainless Steel, Add	7.04	
For Aluminum, Add	0.40	
For Galvanized Steel, Add	1.36	
For 304 Stainless Steel, Add	6.27	
For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0456 LF 3" x 2" x 3/16" Angle Iron.....	6.69	3.37
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.06	
For 316 Stainless Steel, Add	7.01	
For Aluminum, Add	0.39	
For Galvanized Steel, Add	1.36	
For 304 Stainless Steel, Add	6.24	
For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0457 LF 3" x 2-1/2" x 3/16" Angle Iron.....	7.39	3.72
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.87	
For >1,000, Deduct	-1.18	
For 316 Stainless Steel, Add	7.74	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.50	
For 304 Stainless Steel, Add	6.90	
For High Strength Steel (HSS), Add	1.48	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0458	LF		3" x 3" x 3/16" Angle Iron	8.08	4.08
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.28	
			<i>For 316 Stainless Steel, Add</i>	8.48	
			<i>For Aluminum, Add</i>	0.48	
			<i>For Galvanized Steel, Add</i>	1.64	
			<i>For 304 Stainless Steel, Add</i>	7.55	
			<i>For High Strength Steel (HSS), Add</i>	1.62	
05 12 23 00-0459			1/4" Thick (05 12 23 00-0438)		
05 12 23 00-0460	LF		1-1/2" x 1" x 1/4" Angle Iron	4.96	2.71
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.61	
			<i>For >1,000, Deduct</i>	-0.82	
			<i>For 316 Stainless Steel, Add</i>	4.32	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.84	
			<i>For 304 Stainless Steel, Add</i>	3.85	
			<i>For High Strength Steel (HSS), Add</i>	0.99	
05 12 23 00-0461	LF		1-1/2" x 1-1/2" x 1/4" Angle Iron	5.50	2.90
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.89	
			<i>For 316 Stainless Steel, Add</i>	5.28	
			<i>For Aluminum, Add</i>	0.30	
			<i>For Galvanized Steel, Add</i>	1.02	
			<i>For 304 Stainless Steel, Add</i>	4.70	
			<i>For High Strength Steel (HSS), Add</i>	1.10	
05 12 23 00-0462	LF		2" x 2" x 1/4" Angle Iron	6.39	3.09
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500 To 1,000, Deduct</i>	-0.73	
			<i>For >1,000, Deduct</i>	-0.99	
			<i>For 316 Stainless Steel, Add</i>	7.26	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.41	
			<i>For 304 Stainless Steel, Add</i>	6.47	
			<i>For High Strength Steel (HSS), Add</i>	1.28	
05 12 23 00-0463	LF		2-1/2" x 2" x 1/4" Angle Iron	7.14	3.42
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.81	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For 316 Stainless Steel, Add</i>	8.26	
			<i>For Aluminum, Add</i>	0.46	
			<i>For Galvanized Steel, Add</i>	1.60	
			<i>For 304 Stainless Steel, Add</i>	7.35	
			<i>For High Strength Steel (HSS), Add</i>	1.43	
05 12 23 00-0464	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron	7.92	3.75
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.90	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For 316 Stainless Steel, Add</i>	9.34	
			<i>For Aluminum, Add</i>	0.53	
			<i>For Galvanized Steel, Add</i>	1.81	
			<i>For 304 Stainless Steel, Add</i>	8.32	
			<i>For High Strength Steel (HSS), Add</i>	1.58	
05 12 23 00-0465	LF		3" x 2" x 1/4" Angle Iron	7.92	3.75
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.90	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For 316 Stainless Steel, Add</i>	9.34	
			<i>For Aluminum, Add</i>	0.53	
			<i>For Galvanized Steel, Add</i>	1.81	
			<i>For 304 Stainless Steel, Add</i>	8.32	
			<i>For High Strength Steel (HSS), Add</i>	1.58	
05 12 23 00-0466	LF		3" x 2-1/2" x 1/4" Angle Iron	8.76	4.16
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500 To 1,000, Deduct</i>	-0.99	
			<i>For >1,000, Deduct</i>	-1.35	
			<i>For 316 Stainless Steel, Add</i>	10.27	
			<i>For Aluminum, Add</i>	0.58	
			<i>For Galvanized Steel, Add</i>	1.99	
			<i>For 304 Stainless Steel, Add</i>	9.15	
			<i>For High Strength Steel (HSS), Add</i>	1.75	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF		3" x 3" x 1/4" Angle Iron	9.59	4.57
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.48	
			<i>For 316 Stainless Steel, Add</i>	11.17	
			<i>For Aluminum, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	2.16	
			<i>For 304 Stainless Steel, Add</i>	9.95	
			<i>For High Strength Steel (HSS), Add</i>	1.92	
05 12 23 00-0468	LF		3-1/2" x 3" x 1/4" Angle Iron	10.39	4.91
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500 To 1,000, Deduct</i>	-1.17	
			<i>For >1,000, Deduct</i>	-1.60	
			<i>For 316 Stainless Steel, Add</i>	12.29	
			<i>For Aluminum, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.38	
			<i>For 304 Stainless Steel, Add</i>	10.94	
			<i>For High Strength Steel (HSS), Add</i>	2.08	
05 12 23 00-0469	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron	10.98	0.51
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	13.25	
			<i>For Aluminum, Add</i>	0.75	
			<i>For Galvanized Steel, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	11.80	
			<i>For High Strength Steel (HSS), Add</i>	2.20	
05 12 23 00-0470	LF		4" x 3" x 1/4" Angle Iron	10.98	5.13
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	13.25	
			<i>For Aluminum, Add</i>	0.75	
			<i>For Galvanized Steel, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	11.80	
			<i>For High Strength Steel (HSS), Add</i>	2.20	
05 12 23 00-0471	LF		4" x 3-1/2" x 1/4" Angle Iron	11.55	5.35
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.29	
			<i>For >1,000, Deduct</i>	-1.76	
			<i>For 316 Stainless Steel, Add</i>	14.11	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	12.57	
			<i>For High Strength Steel (HSS), Add</i>	2.31	
05 12 23 00-0472	LF		4" x 4" x 1/4" Angle Iron	12.15	5.58
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-1.84	
			<i>For 316 Stainless Steel, Add</i>	15.07	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.43	
05 12 23 00-0473	LF		5" x 3" x 1/4" Angle Iron	12.15	5.58
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-1.84	
			<i>For 316 Stainless Steel, Add</i>	15.07	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.43	
05 12 23 00-0474	LF		5" x 3-1/2" x 1/4" Angle Iron	12.82	5.88
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.43	
			<i>For >1,000, Deduct</i>	-1.94	
			<i>For 316 Stainless Steel, Add</i>	15.94	
			<i>For Aluminum, Add</i>	0.90	
			<i>For Galvanized Steel, Add</i>	3.09	
			<i>For 304 Stainless Steel, Add</i>	14.19	
			<i>For High Strength Steel (HSS), Add</i>	2.56	

05 12 23 00-0475 5/16" Thick (05 12 23 00-0438)

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF		2-1/2" x 2" x 5/16" Angle Iron	8.50	3.98
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.30	
			For 316 Stainless Steel, Add	10.27	
			For Aluminum, Add	0.58	
			For Galvanized Steel, Add	1.99	
			For 304 Stainless Steel, Add	9.15	
			For High Strength Steel (HSS), Add	1.70	
05 12 23 00-0477	LF		2-1/2" x 2-1/2" x 5/16" Angle Iron	9.19	4.22
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-1.02	
			For >1,000, Deduct	-1.39	
			For 316 Stainless Steel, Add	11.42	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.21	
			For 304 Stainless Steel, Add	10.17	
			For High Strength Steel (HSS), Add	1.84	
05 12 23 00-0478	LF		3" x 2" x 5/16" Angle Iron	9.19	4.22
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-1.02	
			For >1,000, Deduct	-1.39	
			For 316 Stainless Steel, Add	11.42	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.21	
			For 304 Stainless Steel, Add	10.17	
			For High Strength Steel (HSS), Add	1.84	
05 12 23 00-0479	LF		3" x 2-1/2" x 5/16" Angle Iron	10.16	4.62
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.72	
			For >500 To 1,000, Deduct	-1.12	
			For >1,000, Deduct	-1.53	
			For 316 Stainless Steel, Add	12.80	
			For Aluminum, Add	0.72	
			For Galvanized Steel, Add	2.48	
			For 304 Stainless Steel, Add	11.40	
			For High Strength Steel (HSS), Add	2.03	
05 12 23 00-0480	LF		3" x 3" x 5/16" Angle Iron	11.04	5.02
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.78	
			For >500 To 1,000, Deduct	-1.22	
			For >1,000, Deduct	-1.66	
			For 316 Stainless Steel, Add	13.92	
			For Aluminum, Add	0.78	
			For Galvanized Steel, Add	2.70	
			For 304 Stainless Steel, Add	12.40	
			For High Strength Steel (HSS), Add	2.21	
05 12 23 00-0481	LF		3-1/2" x 3" x 5/16" Angle Iron	11.74	5.27
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.82	
			For >500 To 1,000, Deduct	-1.29	
			For >1,000, Deduct	-1.76	
			For 316 Stainless Steel, Add	15.07	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.92	
			For 304 Stainless Steel, Add	13.42	
			For High Strength Steel (HSS), Add	2.35	
05 12 23 00-0482	LF		3-1/2" x 3-1/2" x 5/16" Angle Iron	12.50	5.54
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.87	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000, Deduct	-1.86	
			For 316 Stainless Steel, Add	16.38	
			For Aluminum, Add	0.92	
			For Galvanized Steel, Add	3.17	
			For 304 Stainless Steel, Add	14.59	
			For High Strength Steel (HSS), Add	2.50	
05 12 23 00-0483	LF		4" x 3" x 5/16" Angle Iron	12.50	5.54
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.87	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000, Deduct	-1.86	
			For 316 Stainless Steel, Add	16.38	
			For Aluminum, Add	0.92	
			For Galvanized Steel, Add	3.17	
			For 304 Stainless Steel, Add	14.59	
			For High Strength Steel (HSS), Add	2.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF		4" x 3-1/2" x 5/16" Angle Iron	13.29	5.86
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-1.97	
			<i>For 316 Stainless Steel, Add</i>	17.54	
			<i>For Aluminum, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	3.40	
			<i>For 304 Stainless Steel, Add</i>	15.62	
			<i>For High Strength Steel (HSS), Add</i>	2.66	
05 12 23 00-0485	LF		4" x 4" x 5/16" Angle Iron	14.00	6.12
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.52	
			<i>For >1,000, Deduct</i>	-2.07	
			<i>For 316 Stainless Steel, Add</i>	18.72	
			<i>For Aluminum, Add</i>	1.05	
			<i>For Galvanized Steel, Add</i>	3.63	
			<i>For 304 Stainless Steel, Add</i>	16.67	
			<i>For High Strength Steel (HSS), Add</i>	2.80	
05 12 23 00-0486	LF		5" x 3" x 5/16" Angle Iron	14.00	6.12
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.52	
			<i>For >1,000, Deduct</i>	-2.07	
			<i>For 316 Stainless Steel, Add</i>	18.72	
			<i>For Aluminum, Add</i>	1.05	
			<i>For Galvanized Steel, Add</i>	3.63	
			<i>For 304 Stainless Steel, Add</i>	16.67	
			<i>For High Strength Steel (HSS), Add</i>	2.80	
05 12 23 00-0487	LF		5" x 3-1/2" x 5/16" Angle Iron	14.68	6.37
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.16	
			<i>For 316 Stainless Steel, Add</i>	19.81	
			<i>For Aluminum, Add</i>	1.11	
			<i>For Galvanized Steel, Add</i>	3.84	
			<i>For 304 Stainless Steel, Add</i>	17.64	
			<i>For High Strength Steel (HSS), Add</i>	2.94	
05 12 23 00-0488	LF		5" x 5" x 5/16" Angle Iron	16.21	6.64
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.70	
			<i>For >1,000, Deduct</i>	-2.32	
			<i>For 316 Stainless Steel, Add</i>	23.52	
			<i>For Aluminum, Add</i>	1.32	
			<i>For Galvanized Steel, Add</i>	4.56	
			<i>For 304 Stainless Steel, Add</i>	20.95	
			<i>For High Strength Steel (HSS), Add</i>	3.24	
05 12 23 00-0489	LF		6" x 3-1/2" x 5/16" Angle Iron	16.19	6.91
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500 To 1,000, Deduct</i>	-1.73	
			<i>For >1,000, Deduct</i>	-2.37	
			<i>For 316 Stainless Steel, Add</i>	22.30	
			<i>For Aluminum, Add</i>	1.25	
			<i>For Galvanized Steel, Add</i>	4.32	
			<i>For 304 Stainless Steel, Add</i>	19.86	
			<i>For High Strength Steel (HSS), Add</i>	3.24	
05 12 23 00-0490			3/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0491	LF		3" x 2" x 3/8" Angle Iron	10.08	4.41
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.49	
			<i>For 316 Stainless Steel, Add</i>	13.44	
			<i>For Aluminum, Add</i>	0.76	
			<i>For Galvanized Steel, Add</i>	2.60	
			<i>For 304 Stainless Steel, Add</i>	11.97	
			<i>For High Strength Steel (HSS), Add</i>	2.02	
05 12 23 00-0492	LF		3" x 2-1/2" x 3/8" Angle Iron	11.08	4.78
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500 To 1,000, Deduct</i>	-1.19	
			<i>For >1,000, Deduct</i>	-1.63	
			<i>For 316 Stainless Steel, Add</i>	15.07	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.22	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF		3" x 3" x 3/8" Angle Iron	11.98	5.14
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.81	
			For >500 To 1,000, Deduct	-1.29	
			For >1,000, Deduct	-1.76	
			For 316 Stainless Steel, Add	16.38	
			For Aluminum, Add	0.92	
			For Galvanized Steel, Add	3.17	
			For 304 Stainless Steel, Add	14.59	
			For High Strength Steel (HSS), Add	2.40	
05 12 23 00-0494	LF		3-1/2" x 3" x 3/8" Angle Iron	12.68	5.28
			For >100 To 250, Deduct	-0.53	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.34	
			For >1,000, Deduct	-1.83	
			For 316 Stainless Steel, Add	18.05	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.50	
			For 304 Stainless Steel, Add	16.07	
			For High Strength Steel (HSS), Add	2.54	
05 12 23 00-0495	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron	13.49	5.58
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.42	
			For >1,000, Deduct	-1.94	
			For 316 Stainless Steel, Add	19.36	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.75	
			For 304 Stainless Steel, Add	17.24	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0496	LF		4" x 3" x 3/8" Angle Iron	13.49	5.58
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.42	
			For >1,000, Deduct	-1.94	
			For 316 Stainless Steel, Add	19.36	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.75	
			For 304 Stainless Steel, Add	17.24	
			For High Strength Steel (HSS), Add	2.70	
05 12 23 00-0497	LF		4" x 3-1/2" x 3/8" Angle Iron	14.58	6.08
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.97	
			For >500 To 1,000, Deduct	-1.54	
			For >1,000, Deduct	-2.11	
			For 316 Stainless Steel, Add	20.74	
			For Aluminum, Add	1.17	
			For Galvanized Steel, Add	4.02	
			For 304 Stainless Steel, Add	18.47	
			For High Strength Steel (HSS), Add	2.92	
05 12 23 00-0498	LF		4" x 4" x 3/8" Angle Iron	15.30	6.25
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-1.01	
			For >500 To 1,000, Deduct	-1.60	
			For >1,000, Deduct	-2.19	
			For 316 Stainless Steel, Add	22.30	
			For Aluminum, Add	1.25	
			For Galvanized Steel, Add	4.32	
			For 304 Stainless Steel, Add	19.86	
			For High Strength Steel (HSS), Add	3.06	
05 12 23 00-0499	LF		5" x 3" x 3/8" Angle Iron	15.64	6.50
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.04	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000, Deduct	-2.26	
			For 316 Stainless Steel, Add	22.30	
			For Aluminum, Add	1.25	
			For Galvanized Steel, Add	4.32	
			For 304 Stainless Steel, Add	19.86	
			For High Strength Steel (HSS), Add	3.13	
05 12 23 00-0500	LF		5" x 3-1/2" x 3/8" Angle Iron	16.74	7.00
			For >100 To 250, Deduct	-0.70	
			For >250 To 500, Deduct	-1.12	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000, Deduct	-2.42	
			For 316 Stainless Steel, Add	23.68	
			For Aluminum, Add	1.33	
			For Galvanized Steel, Add	4.59	
			For 304 Stainless Steel, Add	21.09	
			For High Strength Steel (HSS), Add	3.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0501 LF 5" x 5" x 3/8" Angle Iron	19.66	8.16
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-2.07	
For >1,000, Deduct	-2.83	
For 316 Stainless Steel, Add	28.10	
For Aluminum, Add	1.58	
For Galvanized Steel, Add	5.44	
For 304 Stainless Steel, Add	25.02	
For High Strength Steel (HSS), Add	3.93	
05 12 23 00-0502 LF 6" x 3-1/2" x 3/8" Angle Iron	18.44	7.59
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.65	
For 316 Stainless Steel, Add	26.66	
For Aluminum, Add	1.50	
For Galvanized Steel, Add	5.16	
For 304 Stainless Steel, Add	23.74	
For High Strength Steel (HSS), Add	3.69	
05 12 23 00-0503 LF 6" x 4" x 3/8" Angle Iron	19.66	8.16
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-2.07	
For >1,000, Deduct	-2.83	
For 316 Stainless Steel, Add	28.10	
For Aluminum, Add	1.58	
For Galvanized Steel, Add	5.44	
For 304 Stainless Steel, Add	25.02	
For High Strength Steel (HSS), Add	3.93	
05 12 23 00-0504 LF 6" x 6" x 3/8" Angle Iron	23.68	9.80
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.57	
For >500 To 1,000, Deduct	-2.49	
For >1,000, Deduct	-3.41	
For 316 Stainless Steel, Add	34.02	
For Aluminum, Add	1.91	
For Galvanized Steel, Add	6.59	
For 304 Stainless Steel, Add	30.30	
For High Strength Steel (HSS), Add	4.74	
05 12 23 00-0505 LF 7" x 4" x 3/8" Angle Iron	21.68	8.98
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.44	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.12	
For 316 Stainless Steel, Add	31.04	
For Aluminum, Add	1.75	
For Galvanized Steel, Add	6.01	
For 304 Stainless Steel, Add	27.65	
For High Strength Steel (HSS), Add	4.34	
05 12 23 00-0506 1/2" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0507 LF 3" x 3" x 1/2" Angle Iron	13.71	5.25
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.90	
For 316 Stainless Steel, Add	21.47	
For Aluminum, Add	1.21	
For Galvanized Steel, Add	4.16	
For 304 Stainless Steel, Add	19.12	
For High Strength Steel (HSS), Add	2.74	
05 12 23 00-0508 LF 4" x 3" x 1/2" Angle Iron	16.19	6.21
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.64	
For >1,000, Deduct	-2.25	
For 316 Stainless Steel, Add	25.34	
For Aluminum, Add	1.43	
For Galvanized Steel, Add	4.91	
For 304 Stainless Steel, Add	22.57	
For High Strength Steel (HSS), Add	3.24	
05 12 23 00-0509 LF 4" x 3-1/2" x 1/2" Angle Iron	17.36	6.65
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.76	
For >1,000, Deduct	-2.41	
For 316 Stainless Steel, Add	27.17	
For Aluminum, Add	1.53	
For Galvanized Steel, Add	5.26	
For 304 Stainless Steel, Add	24.20	
For High Strength Steel (HSS), Add	3.47	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF		4" x 4" x 1/2" Angle Iron	18.67	7.16
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-1.89	
			For >1,000, Deduct	-2.59	
			For 316 Stainless Steel, Add	29.22	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.66	
			For 304 Stainless Steel, Add	26.02	
			For High Strength Steel (HSS), Add	3.73	
05 12 23 00-0511	LF		5" x 3" x 1/2" Angle Iron	18.67	7.16
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-1.89	
			For >1,000, Deduct	-2.59	
			For 316 Stainless Steel, Add	29.22	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.66	
			For 304 Stainless Steel, Add	26.02	
			For High Strength Steel (HSS), Add	3.73	
05 12 23 00-0512	LF		5" x 3-1/2" x 1/2" Angle Iron	19.83	7.61
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.26	
			For >500 To 1,000, Deduct	-2.00	
			For >1,000, Deduct	-2.75	
			For 316 Stainless Steel, Add	31.04	
			For Aluminum, Add	1.75	
			For Galvanized Steel, Add	6.01	
			For 304 Stainless Steel, Add	27.65	
			For High Strength Steel (HSS), Add	3.97	
05 12 23 00-0513	LF		5" x 5" x 1/2" Angle Iron	23.64	9.06
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.28	
			For 316 Stainless Steel, Add	36.99	
			For Aluminum, Add	2.08	
			For Galvanized Steel, Add	7.17	
			For 304 Stainless Steel, Add	32.95	
			For High Strength Steel (HSS), Add	4.73	
05 12 23 00-0514	LF		6" x 4" x 1/2" Angle Iron	23.64	9.06
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.28	
			For 316 Stainless Steel, Add	36.99	
			For Aluminum, Add	2.08	
			For Galvanized Steel, Add	7.17	
			For 304 Stainless Steel, Add	32.95	
			For High Strength Steel (HSS), Add	4.73	
05 12 23 00-0515	LF		6" x 6" x 1/2" Angle Iron	28.59	10.96
			For >100 To 250, Deduct	-1.10	
			For >250 To 500, Deduct	-1.81	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-3.97	
			For 316 Stainless Steel, Add	44.74	
			For Aluminum, Add	2.52	
			For Galvanized Steel, Add	8.67	
			For 304 Stainless Steel, Add	39.84	
			For High Strength Steel (HSS), Add	5.72	
05 12 23 00-0516	LF		7" x 4" x 1/2" Angle Iron	26.12	10.00
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.65	
			For >500 To 1,000, Deduct	-2.64	
			For >1,000, Deduct	-3.63	
			For 316 Stainless Steel, Add	40.86	
			For Aluminum, Add	2.30	
			For Galvanized Steel, Add	7.92	
			For 304 Stainless Steel, Add	36.39	
			For High Strength Steel (HSS), Add	5.22	
05 12 23 00-0517	LF		8" x 4" x 1/2" Angle Iron	28.59	10.96
			For >100 To 250, Deduct	-1.10	
			For >250 To 500, Deduct	-1.81	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-3.97	
			For 316 Stainless Steel, Add	44.74	
			For Aluminum, Add	2.52	
			For Galvanized Steel, Add	8.67	
			For 304 Stainless Steel, Add	39.84	
			For High Strength Steel (HSS), Add	5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0518 LF 8" x 6" x 1/2" Angle Iron	33.56	12.86
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-2.13	
For >500 To 1,000, Deduct	-3.39	
For >1,000, Deduct	-4.66	
For 316 Stainless Steel, Add	52.51	
For Aluminum, Add	2.95	
For Galvanized Steel, Add	10.17	
For 304 Stainless Steel, Add	46.77	
For High Strength Steel (HSS), Add	6.71	
05 12 23 00-0519 LF 8" x 8" x 1/2" Angle Iron	38.52	14.76
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.44	
For >500 To 1,000, Deduct	-3.90	
For >1,000, Deduct	-5.35	
For 316 Stainless Steel, Add	60.26	
For Aluminum, Add	3.39	
For Galvanized Steel, Add	11.67	
For 304 Stainless Steel, Add	53.67	
For High Strength Steel (HSS), Add	7.70	
05 12 23 00-0520 5/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0521 LF 4" x 4" x 5/8" Angle Iron	22.14	8.20
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-2.20	
For >1,000, Deduct	-3.03	
For 316 Stainless Steel, Add	35.84	
For Aluminum, Add	2.02	
For Galvanized Steel, Add	6.94	
For High Strength Steel (HSS), Add	4.43	
05 12 23 00-0522 LF 5" x 3-1/2" x 5/8" Angle Iron	23.69	8.78
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.47	
For >500 To 1,000, Deduct	-2.35	
For >1,000, Deduct	-3.24	
For 316 Stainless Steel, Add	38.37	
For Aluminum, Add	2.16	
For Galvanized Steel, Add	7.43	
For High Strength Steel (HSS), Add	4.74	
05 12 23 00-0523 LF 5" x 5" x 5/8" Angle Iron	28.21	10.46
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.75	
For >500 To 1,000, Deduct	-2.80	
For >1,000, Deduct	-3.86	
For 316 Stainless Steel, Add	45.66	
For Aluminum, Add	2.57	
For Galvanized Steel, Add	8.85	
For High Strength Steel (HSS), Add	5.64	
05 12 23 00-0524 LF 6" x 4" x 5/8" Angle Iron	28.21	10.46
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.75	
For >500 To 1,000, Deduct	-2.80	
For >1,000, Deduct	-3.86	
For 316 Stainless Steel, Add	45.66	
For Aluminum, Add	2.57	
For Galvanized Steel, Add	8.85	
For High Strength Steel (HSS), Add	5.64	
05 12 23 00-0525 LF 6" x 6" x 5/8" Angle Iron	34.14	12.65
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.12	
For >500 To 1,000, Deduct	-3.39	
For >1,000, Deduct	-4.67	
For 316 Stainless Steel, Add	55.26	
For Aluminum, Add	3.11	
For Galvanized Steel, Add	10.71	
For High Strength Steel (HSS), Add	6.83	
05 12 23 00-0526 LF 7" x 4" x 5/8" Angle Iron	31.17	11.55
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.93	
For >500 To 1,000, Deduct	-3.10	
For >1,000, Deduct	-4.26	
For 316 Stainless Steel, Add	50.46	
For Aluminum, Add	2.84	
For Galvanized Steel, Add	9.78	
For High Strength Steel (HSS), Add	6.23	
05 12 23 00-0527 LF 8" x 6" x 5/8" Angle Iron	40.19	14.90
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-2.49	
For >500 To 1,000, Deduct	-4.00	
For >1,000, Deduct	-5.50	
For 316 Stainless Steel, Add	65.06	
For Aluminum, Add	3.66	
For Galvanized Steel, Add	12.60	
For High Strength Steel (HSS), Add	8.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0528	LF		8" x 8" x 5/8" Angle Iron	46.12	17.09
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.86	
			For >500 To 1,000, Deduct	-4.59	
			For >1,000, Deduct	-6.31	
			For 316 Stainless Steel, Add	74.66	
			For Aluminum, Add	4.20	
			For Galvanized Steel, Add	14.46	
			For High Strength Steel (HSS), Add	9.22	
05 12 23 00-0529			3/4" Thick (05 12 23 00-0438)		
05 12 23 00-0530	LF		4" x 4" x 3/4" Angle Iron	25.29	9.07
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.54	
			For >500 To 1,000, Deduct	-2.47	
			For >1,000, Deduct	-3.41	
			For 316 Stainless Steel, Add	42.24	
			For Aluminum, Add	2.38	
			For Galvanized Steel, Add	8.18	
			For High Strength Steel (HSS), Add	5.06	
05 12 23 00-0531	LF		5" x 3-1/2" x 3/4" Angle Iron	27.05	9.70
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.65	
			For >500 To 1,000, Deduct	-2.65	
			For >1,000, Deduct	-3.65	
			For 316 Stainless Steel, Add	45.18	
			For Aluminum, Add	2.54	
			For Galvanized Steel, Add	8.75	
			For High Strength Steel (HSS), Add	5.41	
05 12 23 00-0532	LF		5" x 5" x 3/4" Angle Iron	32.26	11.56
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-3.16	
			For >1,000, Deduct	-4.35	
			For 316 Stainless Steel, Add	53.89	
			For Aluminum, Add	3.03	
			For Galvanized Steel, Add	10.44	
			For High Strength Steel (HSS), Add	6.45	
05 12 23 00-0533	LF		6" x 4" x 3/4" Angle Iron	32.26	11.56
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-3.16	
			For >1,000, Deduct	-4.35	
			For 316 Stainless Steel, Add	53.89	
			For Aluminum, Add	3.03	
			For Galvanized Steel, Add	10.44	
			For High Strength Steel (HSS), Add	6.45	
05 12 23 00-0534	LF		6" x 6" x 3/4" Angle Iron	39.22	14.06
			For >100 To 250, Deduct	-1.41	
			For >250 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-3.84	
			For >1,000, Deduct	-5.29	
			For 316 Stainless Steel, Add	65.50	
			For Aluminum, Add	3.68	
			For Galvanized Steel, Add	12.69	
			For High Strength Steel (HSS), Add	7.84	
05 12 23 00-0535	LF		7" x 4" x 3/4" Angle Iron	35.81	12.84
			For >100 To 250, Deduct	-1.28	
			For >250 To 500, Deduct	-2.18	
			For >500 To 1,000, Deduct	-3.50	
			For >1,000, Deduct	-4.83	
			For 316 Stainless Steel, Add	59.81	
			For Aluminum, Add	3.36	
			For Galvanized Steel, Add	11.59	
			For High Strength Steel (HSS), Add	7.16	
05 12 23 00-0536	LF		8" x 4" x 3/4" Angle Iron	39.22	14.06
			For >100 To 250, Deduct	-1.41	
			For >250 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-3.84	
			For >1,000, Deduct	-5.29	
			For 316 Stainless Steel, Add	65.50	
			For Aluminum, Add	3.68	
			For Galvanized Steel, Add	12.69	
			For High Strength Steel (HSS), Add	7.84	
05 12 23 00-0537	LF		8" x 6" x 3/4" Angle Iron	46.20	16.56
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.81	
			For >500 To 1,000, Deduct	-4.52	
			For >1,000, Deduct	-6.23	
			For 316 Stainless Steel, Add	77.18	
			For Aluminum, Add	4.34	
			For Galvanized Steel, Add	14.95	
			For High Strength Steel (HSS), Add	9.24	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0538 LF 8" x 8" x 3/4" Angle Iron	53.17	19.06
For >100 To 250, Deduct	-1.91	
For >250 To 500, Deduct	-3.24	
For >500 To 1,000, Deduct	-5.20	
For >1,000, Deduct	-7.16	
For 316 Stainless Steel, Add	88.83	
For Aluminum, Add	5.00	
For Galvanized Steel, Add	17.21	
For High Strength Steel (HSS), Add	10.63	
05 12 23 00-0539 7/8" Thick (05 12 23 00-0438)		
05 12 23 00-0540 LF 5" x 5" x 7/8" Angle Iron	35.99	12.44
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-2.14	
For >500 To 1,000, Deduct	-3.46	
For >1,000, Deduct	-4.77	
For 316 Stainless Steel, Add	62.08	
For Aluminum, Add	3.49	
For Galvanized Steel, Add	12.03	
For High Strength Steel (HSS), Add	7.20	
05 12 23 00-0541 LF 6" x 4" x 7/8" Angle Iron	35.99	12.44
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-2.14	
For >500 To 1,000, Deduct	-3.46	
For >1,000, Deduct	-4.77	
For 316 Stainless Steel, Add	62.08	
For Aluminum, Add	3.49	
For Galvanized Steel, Add	12.03	
For High Strength Steel (HSS), Add	7.20	
05 12 23 00-0542 LF 6" x 6" x 7/8" Angle Iron	43.80	15.14
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-2.61	
For >500 To 1,000, Deduct	-4.21	
For >1,000, Deduct	-5.81	
For 316 Stainless Steel, Add	75.58	
For Aluminum, Add	4.25	
For Galvanized Steel, Add	14.64	
For High Strength Steel (HSS), Add	8.76	
05 12 23 00-0543 LF 8" x 6" x 7/8" Angle Iron	51.74	17.88
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-3.08	
For >500 To 1,000, Deduct	-4.97	
For >1,000, Deduct	-6.86	
For 316 Stainless Steel, Add	89.28	
For Aluminum, Add	5.02	
For Galvanized Steel, Add	17.30	
For High Strength Steel (HSS), Add	10.35	
05 12 23 00-0544 LF 8" x 8" x 7/8" Angle Iron	59.54	20.58
For >100 To 250, Deduct	-2.06	
For >250 To 500, Deduct	-3.55	
For >500 To 1,000, Deduct	-5.72	
For >1,000, Deduct	-7.90	
For 316 Stainless Steel, Add	102.72	
For Aluminum, Add	5.78	
For Galvanized Steel, Add	19.90	
For High Strength Steel (HSS), Add	11.91	
05 12 23 00-0545 Bar Channel (05 12 23 00-0437)		
05 12 23 00-0546 LF 1" x 1/2" x 1/8" Thick Bar Channel	3.53	
For 316 Stainless Steel, Add	2.50	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.22	
For High Strength Steel (HSS), Add	0.71	
05 12 23 00-0547 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel	3.92	
For 316 Stainless Steel, Add	2.98	
For Aluminum, Add	0.17	
For Galvanized Steel, Add	0.58	
For 304 Stainless Steel, Add	2.65	
For High Strength Steel (HSS), Add	0.78	
05 12 23 00-0548 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.26	
For 316 Stainless Steel, Add	3.30	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.94	
For High Strength Steel (HSS), Add	0.85	
05 12 23 00-0549 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel	4.93	
For 316 Stainless Steel, Add	3.42	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.66	
For 304 Stainless Steel, Add	3.05	
For High Strength Steel (HSS), Add	0.99	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0550	LF		2" x 1/2" x 1/8" Thick Bar Channel	5.17	
			For 316 Stainless Steel, Add	4.19	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.81	
			For 304 Stainless Steel, Add	3.73	
05 12 23 00-0551	LF		2" x 1" x 1/8" Thick Bar Channel	7.00	
			For 316 Stainless Steel, Add	4.70	
			For Aluminum, Add	0.26	
			For Galvanized Steel, Add	0.91	
			For 304 Stainless Steel, Add	4.19	
05 12 23 00-0552			Channels - C (05 12 23 00-0437)		
05 12 23 00-0553	LF		C2 x 1.78 - 2" Wide Channel.....	5.80	3.41
			For >100 To 250, Deduct	-0.34	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.75	
			For >1,000, Deduct	-1.00	
			For 316 Stainless Steel, Add	4.00	
			For Aluminum, Add	0.23	
			For Galvanized Steel, Add	0.78	
			For 304 Stainless Steel, Add	3.56	
05 12 23 00-0554	LF		C3 x 4.1 - 3" Wide Channel.....	9.45	4.89
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.73	
			For >500 To 1,000, Deduct	-1.13	
			For >1,000, Deduct	-1.53	
			For 316 Stainless Steel, Add	9.34	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.81	
			For 304 Stainless Steel, Add	8.32	
05 12 23 00-0555	LF		C3 x 5 - 3" Wide Channel.....	11.54	5.98
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-0.89	
			For >500 To 1,000, Deduct	-1.37	
			For >1,000, Deduct	-1.86	
			For 316 Stainless Steel, Add	11.42	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.21	
			For 304 Stainless Steel, Add	10.17	
05 12 23 00-0556	LF		C3 x 6 - 3" Wide Channel.....	13.84	7.17
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-1.06	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000, Deduct	-2.23	
			For 316 Stainless Steel, Add	13.70	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.65	
			For 304 Stainless Steel, Add	12.20	
05 12 23 00-0557	LF		C4 x 5.4 - 4" Wide Channel.....	11.69	5.88
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.37	
			For >1,000, Deduct	-1.86	
			For 316 Stainless Steel, Add	12.32	
			For Aluminum, Add	0.69	
			For Galvanized Steel, Add	2.39	
			For 304 Stainless Steel, Add	10.97	
05 12 23 00-0558	LF		C4 x 7.25 - 4" Wide Channel.....	15.70	7.89
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.49	
			For 316 Stainless Steel, Add	16.54	
			For Aluminum, Add	0.93	
			For Galvanized Steel, Add	3.21	
			For 304 Stainless Steel, Add	14.73	
05 12 23 00-0559	LF		C5 x 6.7 - 5" Wide Channel.....	13.93	6.85
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.03	
			For >500 To 1,000, Deduct	-1.61	
			For >1,000, Deduct	-2.19	
			For 316 Stainless Steel, Add	15.30	
			For Aluminum, Add	0.86	
			For Galvanized Steel, Add	2.96	
			For 304 Stainless Steel, Add	13.62	
05 12 23 00-0560	LF		C5 x 9 - 5" Wide Channel.....	18.70	9.22
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-2.94	
			For 316 Stainless Steel, Add	20.54	
			For Aluminum, Add	1.16	
			For Galvanized Steel, Add	3.98	
			For 304 Stainless Steel, Add	18.30	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561 LF C6 x 8.2 - 6" Wide Channel.....	16.82	8.23
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-1.94	
For >1,000, Deduct	-2.63	
For 316 Stainless Steel, Add	18.72	
For Aluminum, Add	1.05	
For Galvanized Steel, Add	3.63	
For 304 Stainless Steel, Add	16.67	
05 12 23 00-0562 LF C6 x 10.5 - 6" Wide Channel.....	21.54	10.54
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.59	
For >500 To 1,000, Deduct	-2.48	
For >1,000, Deduct	-3.37	
For 316 Stainless Steel, Add	23.97	
For Aluminum, Add	1.35	
For Galvanized Steel, Add	4.64	
For 304 Stainless Steel, Add	21.35	
05 12 23 00-0563 LF C6 x 13 - 6" Wide Channel.....	26.67	13.04
For >100 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-1.97	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-4.18	
For 316 Stainless Steel, Add	29.66	
For Aluminum, Add	1.67	
For Galvanized Steel, Add	5.75	
For 304 Stainless Steel, Add	26.42	
05 12 23 00-0564 LF C7 x 9.8 - 7" Wide Channel.....	20.05	9.80
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.14	
For 316 Stainless Steel, Add	22.37	
For Aluminum, Add	1.26	
For Galvanized Steel, Add	4.33	
For 304 Stainless Steel, Add	19.92	
05 12 23 00-0565 LF C7 x 12.25 - 7" Wide Channel.....	25.07	12.25
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-2.89	
For >1,000, Deduct	-3.92	
For 316 Stainless Steel, Add	27.97	
For Aluminum, Add	1.57	
For Galvanized Steel, Add	5.42	
For 304 Stainless Steel, Add	24.91	
05 12 23 00-0566 LF C7 x 14.75 - 7" Wide Channel.....	30.19	14.74
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.23	
For >500 To 1,000, Deduct	-3.48	
For >1,000, Deduct	-4.72	
For 316 Stainless Steel, Add	33.66	
For Aluminum, Add	1.89	
For Galvanized Steel, Add	6.52	
For 304 Stainless Steel, Add	29.98	
05 12 23 00-0567 LF C8 x 11.5 - 8" Wide Channel.....	22.57	10.78
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-2.57	
For >1,000, Deduct	-3.49	
For 316 Stainless Steel, Add	26.24	
For Aluminum, Add	1.48	
For Galvanized Steel, Add	5.08	
For 304 Stainless Steel, Add	23.37	
05 12 23 00-0568 LF C8 x 13.75 - 8" Wide Channel.....	27.00	12.89
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-1.96	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-4.17	
For 316 Stainless Steel, Add	31.39	
For Aluminum, Add	1.77	
For Galvanized Steel, Add	6.08	
For 304 Stainless Steel, Add	27.96	
05 12 23 00-0569 LF C8 x 18.75 - 8" Wide Channel.....	36.81	17.58
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.68	
For >500 To 1,000, Deduct	-4.18	
For >1,000, Deduct	-5.69	
For 316 Stainless Steel, Add	42.82	
For Aluminum, Add	2.41	
For Galvanized Steel, Add	8.30	
For 304 Stainless Steel, Add	38.13	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF		C9 x 13.4 - 9" Wide Channel.....	26.31	12.56
			<i>For >100 To 250, Deduct</i>	-1.26	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500 To 1,000, Deduct</i>	-2.99	
			<i>For >1,000, Deduct</i>	-4.07	
			<i>For 316 Stainless Steel, Add</i>	30.59	
			<i>For Aluminum, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	5.93	
			<i>For 304 Stainless Steel, Add</i>	27.25	
05 12 23 00-0571	LF		C9 x 15 - 9" Wide Channel.....	29.44	14.06
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500 To 1,000, Deduct</i>	-3.35	
			<i>For >1,000, Deduct</i>	-4.55	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0572	LF		C9 x 20 - 9" Wide Channel.....	39.27	18.74
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500 To 1,000, Deduct</i>	-4.46	
			<i>For >1,000, Deduct</i>	-6.07	
			<i>For 316 Stainless Steel, Add</i>	45.66	
			<i>For Aluminum, Add</i>	2.57	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	40.67	
05 12 23 00-0573	LF		C10 x 15.3 - 10" Wide Channel.....	30.03	14.34
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500 To 1,000, Deduct</i>	-3.41	
			<i>For >1,000, Deduct</i>	-4.64	
			<i>For 316 Stainless Steel, Add</i>	34.91	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.76	
			<i>For 304 Stainless Steel, Add</i>	31.09	
05 12 23 00-0574	LF		C10 x 20 - 10" Wide Channel.....	39.27	18.74
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500 To 1,000, Deduct</i>	-4.46	
			<i>For >1,000, Deduct</i>	-6.07	
			<i>For 316 Stainless Steel, Add</i>	45.66	
			<i>For Aluminum, Add</i>	2.57	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	40.67	
05 12 23 00-0575	LF		C10 x 25 - 10" Wide Channel.....	49.07	23.43
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-3.57	
			<i>For >500 To 1,000, Deduct</i>	-5.58	
			<i>For >1,000, Deduct</i>	-7.59	
			<i>For 316 Stainless Steel, Add</i>	57.06	
			<i>For Aluminum, Add</i>	3.21	
			<i>For Galvanized Steel, Add</i>	11.05	
			<i>For 304 Stainless Steel, Add</i>	50.82	
05 12 23 00-0576	LF		C10 x 30 - 10" Wide Channel.....	58.89	28.12
			<i>For >100 To 250, Deduct</i>	-2.81	
			<i>For >250 To 500, Deduct</i>	-4.28	
			<i>For >500 To 1,000, Deduct</i>	-6.69	
			<i>For >1,000, Deduct</i>	-9.10	
			<i>For 316 Stainless Steel, Add</i>	68.48	
			<i>For Aluminum, Add</i>	3.85	
			<i>For Galvanized Steel, Add</i>	13.27	
			<i>For 304 Stainless Steel, Add</i>	60.99	
05 12 23 00-0577	LF		C12 x 20.7 - 12" Wide Channel.....	40.64	19.40
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.96	
			<i>For >500 To 1,000, Deduct</i>	-4.62	
			<i>For >1,000, Deduct</i>	-6.28	
			<i>For 316 Stainless Steel, Add</i>	47.26	
			<i>For Aluminum, Add</i>	2.66	
			<i>For Galvanized Steel, Add</i>	9.16	
			<i>For 304 Stainless Steel, Add</i>	42.09	
05 12 23 00-0578	LF		C12 x 25 - 12" Wide Channel.....	49.07	23.43
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-3.57	
			<i>For >500 To 1,000, Deduct</i>	-5.58	
			<i>For >1,000, Deduct</i>	-7.59	
			<i>For 316 Stainless Steel, Add</i>	57.06	
			<i>For Aluminum, Add</i>	3.21	
			<i>For Galvanized Steel, Add</i>	11.05	
			<i>For 304 Stainless Steel, Add</i>	50.82	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0579 LF C12 x 30 - 12" Wide Channel.....	58.89	28.12
For >100 To 250, Deduct	-2.81	
For >250 To 500, Deduct	-4.28	
For >500 To 1,000, Deduct	-6.69	
For >1,000, Deduct	-9.10	
For 316 Stainless Steel, Add	68.48	
For Aluminum, Add	3.85	
For Galvanized Steel, Add	13.27	
For 304 Stainless Steel, Add	60.99	
05 12 23 00-0580 LF C15 x 33.9 - 15" Wide Channel.....	66.55	31.77
For >100 To 250, Deduct	-3.18	
For >250 To 500, Deduct	-4.84	
For >500 To 1,000, Deduct	-7.56	
For >1,000, Deduct	-10.29	
For 316 Stainless Steel, Add	77.38	
For Aluminum, Add	4.35	
For Galvanized Steel, Add	14.99	
For 304 Stainless Steel, Add	68.91	
05 12 23 00-0581 LF C15 x 40 - 15" Wide Channel.....	78.52	37.49
For >100 To 250, Deduct	-3.75	
For >250 To 500, Deduct	-5.71	
For >500 To 1,000, Deduct	-8.93	
For >1,000, Deduct	-12.14	
For 316 Stainless Steel, Add	91.30	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.69	
For 304 Stainless Steel, Add	81.31	
05 12 23 00-0582 LF C15 x 50 - 15" Wide Channel.....	98.16	46.86
For >100 To 250, Deduct	-4.69	
For >250 To 500, Deduct	-7.14	
For >500 To 1,000, Deduct	-11.16	
For >1,000, Deduct	-15.17	
For 316 Stainless Steel, Add	114.14	
For Aluminum, Add	6.42	
For Galvanized Steel, Add	22.12	
For 304 Stainless Steel, Add	101.66	
05 12 23 00-0583 Miscellaneous Channels - MC <small>(05 12 23 00-0437)</small>		
05 12 23 00-0584 LF MC6 x 12 - 6" Wide Channel.....	24.62	12.05
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.82	
For >500 To 1,000, Deduct	-2.84	
For >1,000, Deduct	-3.85	
For 316 Stainless Steel, Add	27.39	
For Aluminum, Add	1.54	
For Galvanized Steel, Add	5.31	
For 304 Stainless Steel, Add	24.40	
05 12 23 00-0585 LF MC6 x 15.1 - 6" Wide Channel.....	30.98	15.16
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-2.29	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-4.85	
For 316 Stainless Steel, Add	34.46	
For Aluminum, Add	1.94	
For Galvanized Steel, Add	6.68	
For 304 Stainless Steel, Add	30.69	
05 12 23 00-0586 LF MC6 x 15.3 - 6" Wide Channel.....	31.39	15.36
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.32	
For >500 To 1,000, Deduct	-3.62	
For >1,000, Deduct	-4.91	
For 316 Stainless Steel, Add	34.91	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.76	
For 304 Stainless Steel, Add	31.09	
05 12 23 00-0587 LF MC6 x 16.3 - 6" Wide Channel.....	33.45	16.35
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.47	
For >500 To 1,000, Deduct	-3.85	
For >1,000, Deduct	-5.24	
For 316 Stainless Steel, Add	37.22	
For Aluminum, Add	2.09	
For Galvanized Steel, Add	7.21	
For 304 Stainless Steel, Add	33.15	
05 12 23 00-0588 LF MC6 x 18 - 6" Wide Channel.....	36.93	18.07
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-2.73	
For >500 To 1,000, Deduct	-4.26	
For >1,000, Deduct	-5.78	
For 316 Stainless Steel, Add	41.09	
For Aluminum, Add	2.31	
For Galvanized Steel, Add	7.96	
For 304 Stainless Steel, Add	36.59	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF		MC7 x 17.6 - 7" Wide Channel.....	36.02	17.60
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.66	
			<i>For >500 To 1,000, Deduct</i>	-4.15	
			<i>For >1,000, Deduct</i>	-5.64	
			<i>For 316 Stainless Steel, Add</i>	40.16	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.78	
			<i>For 304 Stainless Steel, Add</i>	35.77	
05 12 23 00-0590	LF		MC7 x 19.1 - 7" Wide Channel.....	39.09	19.10
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-2.89	
			<i>For >500 To 1,000, Deduct</i>	-4.50	
			<i>For >1,000, Deduct</i>	-6.12	
			<i>For 316 Stainless Steel, Add</i>	43.58	
			<i>For Aluminum, Add</i>	2.45	
			<i>For Galvanized Steel, Add</i>	8.44	
			<i>For 304 Stainless Steel, Add</i>	38.82	
05 12 23 00-0591	LF		MC7 x 22.7 - 7" Wide Channel.....	46.46	22.69
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-3.43	
			<i>For >500 To 1,000, Deduct</i>	-5.35	
			<i>For >1,000, Deduct</i>	-7.27	
			<i>For 316 Stainless Steel, Add</i>	51.81	
			<i>For Aluminum, Add</i>	2.91	
			<i>For Galvanized Steel, Add</i>	10.04	
			<i>For 304 Stainless Steel, Add</i>	46.14	
05 12 23 00-0592	LF		MC8 x 8.5 - 8" Wide Channel.....	16.69	7.97
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.90	
			<i>For >1,000, Deduct</i>	-2.58	
			<i>For 316 Stainless Steel, Add</i>	19.39	
			<i>For Aluminum, Add</i>	1.09	
			<i>For Galvanized Steel, Add</i>	3.76	
			<i>For 304 Stainless Steel, Add</i>	17.27	
05 12 23 00-0593	LF		MC8 x 18.7 - 8" Wide Channel.....	36.71	17.52
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-2.67	
			<i>For >500 To 1,000, Deduct</i>	-4.17	
			<i>For >1,000, Deduct</i>	-5.67	
			<i>For 316 Stainless Steel, Add</i>	42.69	
			<i>For Aluminum, Add</i>	2.40	
			<i>For Galvanized Steel, Add</i>	8.27	
			<i>For 304 Stainless Steel, Add</i>	38.02	
05 12 23 00-0594	LF		MC8 x 20 - 8" Wide Channel.....	39.27	18.74
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500 To 1,000, Deduct</i>	-4.46	
			<i>For >1,000, Deduct</i>	-6.07	
			<i>For 316 Stainless Steel, Add</i>	45.66	
			<i>For Aluminum, Add</i>	2.57	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	40.67	
05 12 23 00-0595	LF		MC8 x 21.4 - 8" Wide Channel.....	42.02	20.06
			<i>For >100 To 250, Deduct</i>	-2.01	
			<i>For >250 To 500, Deduct</i>	-3.06	
			<i>For >500 To 1,000, Deduct</i>	-4.78	
			<i>For >1,000, Deduct</i>	-6.50	
			<i>For 316 Stainless Steel, Add</i>	48.86	
			<i>For Aluminum, Add</i>	2.75	
			<i>For Galvanized Steel, Add</i>	9.47	
			<i>For 304 Stainless Steel, Add</i>	43.52	
05 12 23 00-0596	LF		MC8 x 22.8 - 8" Wide Channel.....	44.75	21.38
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-3.26	
			<i>For >500 To 1,000, Deduct</i>	-5.09	
			<i>For >1,000, Deduct</i>	-6.92	
			<i>For 316 Stainless Steel, Add</i>	52.03	
			<i>For Aluminum, Add</i>	2.93	
			<i>For Galvanized Steel, Add</i>	10.08	
			<i>For 304 Stainless Steel, Add</i>	46.34	
05 12 23 00-0597	LF		MC9 x 23.9 - 9" Wide Channel.....	46.92	22.40
			<i>For >100 To 250, Deduct</i>	-2.24	
			<i>For >250 To 500, Deduct</i>	-3.41	
			<i>For >500 To 1,000, Deduct</i>	-5.33	
			<i>For >1,000, Deduct</i>	-7.25	
			<i>For 316 Stainless Steel, Add</i>	54.56	
			<i>For Aluminum, Add</i>	3.07	
			<i>For Galvanized Steel, Add</i>	10.57	
			<i>For 304 Stainless Steel, Add</i>	48.59	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF		MC9 x 25.4 - 9" Wide Channel.....	49.86	23.80
			<i>For >100 To 250, Deduct</i>	-2.38	
			<i>For >250 To 500, Deduct</i>	-3.63	
			<i>For >500 To 1,000, Deduct</i>	-5.67	
			<i>For >1,000, Deduct</i>	-7.71	
			<i>For 316 Stainless Steel, Add</i>	57.98	
			<i>For Aluminum, Add</i>	3.26	
			<i>For Galvanized Steel, Add</i>	11.23	
			<i>For 304 Stainless Steel, Add</i>	51.64	
05 12 23 00-0599	LF		MC10 x 6.5 - 10" Wide Channel.....	12.76	6.09
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-1.97	
			<i>For 316 Stainless Steel, Add</i>	14.85	
			<i>For Aluminum, Add</i>	0.84	
			<i>For Galvanized Steel, Add</i>	2.88	
			<i>For 304 Stainless Steel, Add</i>	13.22	
05 12 23 00-0600	LF		MC10 x 8.4 - 10" Wide Channel.....	16.49	7.87
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.20	
			<i>For >500 To 1,000, Deduct</i>	-1.87	
			<i>For >1,000, Deduct</i>	-2.55	
			<i>For 316 Stainless Steel, Add</i>	19.17	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	17.07	
05 12 23 00-0601	LF		MC10 x 21.9 - 10" Wide Channel.....	42.98	20.53
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-3.13	
			<i>For >500 To 1,000, Deduct</i>	-4.89	
			<i>For >1,000, Deduct</i>	-6.64	
			<i>For 316 Stainless Steel, Add</i>	49.98	
			<i>For Aluminum, Add</i>	2.81	
			<i>For Galvanized Steel, Add</i>	9.68	
			<i>For 304 Stainless Steel, Add</i>	44.52	
05 12 23 00-0602	LF		MC10 x 24.9 - 10" Wide Channel.....	48.88	23.34
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-3.56	
			<i>For >500 To 1,000, Deduct</i>	-5.56	
			<i>For >1,000, Deduct</i>	-7.56	
			<i>For 316 Stainless Steel, Add</i>	56.83	
			<i>For Aluminum, Add</i>	3.20	
			<i>For Galvanized Steel, Add</i>	11.01	
			<i>For 304 Stainless Steel, Add</i>	50.62	
05 12 23 00-0603	LF		MC10 x 25.3 - 10" Wide Channel.....	49.67	23.72
			<i>For >100 To 250, Deduct</i>	-2.37	
			<i>For >250 To 500, Deduct</i>	-3.61	
			<i>For >500 To 1,000, Deduct</i>	-5.65	
			<i>For >1,000, Deduct</i>	-7.68	
			<i>For 316 Stainless Steel, Add</i>	57.76	
			<i>For Aluminum, Add</i>	3.25	
			<i>For Galvanized Steel, Add</i>	11.19	
			<i>For 304 Stainless Steel, Add</i>	51.44	
05 12 23 00-0604	LF		MC10 x 28.3 - 10" Wide Channel.....	55.57	26.52
			<i>For >100 To 250, Deduct</i>	-2.65	
			<i>For >250 To 500, Deduct</i>	-4.04	
			<i>For >500 To 1,000, Deduct</i>	-6.32	
			<i>For >1,000, Deduct</i>	-8.59	
			<i>For 316 Stainless Steel, Add</i>	64.61	
			<i>For Aluminum, Add</i>	3.63	
			<i>For Galvanized Steel, Add</i>	12.52	
			<i>For 304 Stainless Steel, Add</i>	57.54	
05 12 23 00-0605	LF		MC10 x 28.5 - 10" Wide Channel.....	55.95	26.71
			<i>For >100 To 250, Deduct</i>	-2.67	
			<i>For >250 To 500, Deduct</i>	-4.07	
			<i>For >500 To 1,000, Deduct</i>	-6.36	
			<i>For >1,000, Deduct</i>	-8.65	
			<i>For 316 Stainless Steel, Add</i>	65.06	
			<i>For Aluminum, Add</i>	3.66	
			<i>For Galvanized Steel, Add</i>	12.60	
			<i>For 304 Stainless Steel, Add</i>	57.94	
05 12 23 00-0606	LF		MC10 x 33.6 - 10" Wide Channel.....	65.96	31.50
			<i>For >100 To 250, Deduct</i>	-3.15	
			<i>For >250 To 500, Deduct</i>	-4.80	
			<i>For >500 To 1,000, Deduct</i>	-7.50	
			<i>For >1,000, Deduct</i>	-10.20	
			<i>For 316 Stainless Steel, Add</i>	76.70	
			<i>For Aluminum, Add</i>	4.31	
			<i>For Galvanized Steel, Add</i>	14.86	
			<i>For 304 Stainless Steel, Add</i>	68.31	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF		MC10 x 41.1 - 10" Wide Channel.....	80.69	38.53
			<i>For >100 To 250, Deduct</i>	-3.85	
			<i>For >250 To 500, Deduct</i>	-5.87	
			<i>For >500 To 1,000, Deduct</i>	-9.17	
			<i>For >1,000, Deduct</i>	-12.47	
			<i>For 316 Stainless Steel, Add</i>	93.82	
			<i>For Aluminum, Add</i>	5.28	
			<i>For Galvanized Steel, Add</i>	18.18	
			<i>For 304 Stainless Steel, Add</i>	83.56	
05 12 23 00-0608	LF		MC12 x 30.9 - 12" Wide Channel.....	60.67	28.96
			<i>For >100 To 250, Deduct</i>	-2.90	
			<i>For >250 To 500, Deduct</i>	-4.41	
			<i>For >500 To 1,000, Deduct</i>	-6.90	
			<i>For >1,000, Deduct</i>	-9.38	
			<i>For 316 Stainless Steel, Add</i>	70.53	
			<i>For Aluminum, Add</i>	3.97	
			<i>For Galvanized Steel, Add</i>	13.66	
			<i>For 304 Stainless Steel, Add</i>	62.81	
05 12 23 00-0609	LF		MC12 x 32.9 - 12" Wide Channel.....	64.59	30.84
			<i>For >100 To 250, Deduct</i>	-3.08	
			<i>For >250 To 500, Deduct</i>	-4.70	
			<i>For >500 To 1,000, Deduct</i>	-7.34	
			<i>For >1,000, Deduct</i>	-9.98	
			<i>For 316 Stainless Steel, Add</i>	75.10	
			<i>For Aluminum, Add</i>	4.22	
			<i>For Galvanized Steel, Add</i>	14.55	
			<i>For 304 Stainless Steel, Add</i>	66.89	
05 12 23 00-0610	LF		MC12 x 35 - 12" Wide Channel.....	68.71	32.80
			<i>For >100 To 250, Deduct</i>	-3.28	
			<i>For >250 To 500, Deduct</i>	-5.00	
			<i>For >500 To 1,000, Deduct</i>	-7.81	
			<i>For >1,000, Deduct</i>	-10.62	
			<i>For 316 Stainless Steel, Add</i>	79.90	
			<i>For Aluminum, Add</i>	4.49	
			<i>For Galvanized Steel, Add</i>	15.48	
			<i>For 304 Stainless Steel, Add</i>	71.16	
05 12 23 00-0611	LF		MC12 x 37 - 12" Wide Channel.....	72.64	34.68
			<i>For >100 To 250, Deduct</i>	-3.47	
			<i>For >250 To 500, Deduct</i>	-5.28	
			<i>For >500 To 1,000, Deduct</i>	-8.26	
			<i>For >1,000, Deduct</i>	-11.23	
			<i>For 316 Stainless Steel, Add</i>	84.45	
			<i>For Aluminum, Add</i>	4.75	
			<i>For Galvanized Steel, Add</i>	16.36	
			<i>For 304 Stainless Steel, Add</i>	75.21	
05 12 23 00-0612	LF		MC12 x 40 - 12" Wide Channel.....	78.52	37.49
			<i>For >100 To 250, Deduct</i>	-3.75	
			<i>For >250 To 500, Deduct</i>	-5.71	
			<i>For >500 To 1,000, Deduct</i>	-8.93	
			<i>For >1,000, Deduct</i>	-12.14	
			<i>For 316 Stainless Steel, Add</i>	91.30	
			<i>For Aluminum, Add</i>	5.14	
			<i>For Galvanized Steel, Add</i>	17.69	
			<i>For 304 Stainless Steel, Add</i>	81.31	
05 12 23 00-0613	LF		MC12 x 45 - 12" Wide Channel.....	88.34	42.19
			<i>For >100 To 250, Deduct</i>	-4.22	
			<i>For >250 To 500, Deduct</i>	-6.43	
			<i>For >500 To 1,000, Deduct</i>	-10.04	
			<i>For >1,000, Deduct</i>	-13.66	
			<i>For 316 Stainless Steel, Add</i>	102.72	
			<i>For Aluminum, Add</i>	5.78	
			<i>For Galvanized Steel, Add</i>	19.90	
			<i>For 304 Stainless Steel, Add</i>	91.49	
05 12 23 00-0614	LF		MC12 x 50 - 12" Wide Channel.....	98.16	46.87
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.14	
			<i>For >500 To 1,000, Deduct</i>	-11.16	
			<i>For >1,000, Deduct</i>	-15.17	
			<i>For 316 Stainless Steel, Add</i>	114.14	
			<i>For Aluminum, Add</i>	6.42	
			<i>For Galvanized Steel, Add</i>	22.12	
			<i>For 304 Stainless Steel, Add</i>	101.66	
05 12 23 00-0615	LF		MC13 x 31.8 - 13" Wide Channel.....	62.42	29.81
			<i>For >100 To 250, Deduct</i>	-2.98	
			<i>For >250 To 500, Deduct</i>	-4.54	
			<i>For >500 To 1,000, Deduct</i>	-7.10	
			<i>For >1,000, Deduct</i>	-9.65	
			<i>For 316 Stainless Steel, Add</i>	72.58	
			<i>For Aluminum, Add</i>	4.08	
			<i>For Galvanized Steel, Add</i>	14.06	
			<i>For 304 Stainless Steel, Add</i>	64.64	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616 LF MC13 x 35 - 13" Wide Channel.....	68.71	32.80
For >100 To 250, Deduct	-3.28	
For >250 To 500, Deduct	-5.00	
For >500 To 1,000, Deduct	-7.81	
For >1,000, Deduct	-10.62	
For 316 Stainless Steel, Add	79.90	
For Aluminum, Add	4.49	
For Galvanized Steel, Add	15.48	
For 304 Stainless Steel, Add	71.16	
05 12 23 00-0617 LF MC13 x 40 - 13" Wide Channel.....	78.52	37.49
For >100 To 250, Deduct	-3.75	
For >250 To 500, Deduct	-5.71	
For >500 To 1,000, Deduct	-8.93	
For >1,000, Deduct	-12.14	
For 316 Stainless Steel, Add	91.30	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.69	
For 304 Stainless Steel, Add	81.31	
05 12 23 00-0618 LF MC13 x 50 - 13" Wide Channel.....	98.16	46.87
For >100 To 250, Deduct	-4.69	
For >250 To 500, Deduct	-7.14	
For >500 To 1,000, Deduct	-11.16	
For >1,000, Deduct	-15.17	
For 316 Stainless Steel, Add	114.14	
For Aluminum, Add	6.42	
For Galvanized Steel, Add	22.12	
For 304 Stainless Steel, Add	101.66	
05 12 23 00-0619 LF MC18 x 42.7 - 18" Wide Channel.....	83.83	40.03
For >100 To 250, Deduct	-4.00	
For >250 To 500, Deduct	-6.10	
For >500 To 1,000, Deduct	-9.53	
For >1,000, Deduct	-12.96	
For 316 Stainless Steel, Add	97.47	
For Aluminum, Add	5.48	
For Galvanized Steel, Add	18.89	
For 304 Stainless Steel, Add	86.81	
05 12 23 00-0620 LF MC18 x 45.8 - 18" Wide Channel.....	89.91	42.93
For >100 To 250, Deduct	-4.29	
For >250 To 500, Deduct	-6.54	
For >500 To 1,000, Deduct	-10.22	
For >1,000, Deduct	-13.90	
For 316 Stainless Steel, Add	104.54	
For Aluminum, Add	5.88	
For Galvanized Steel, Add	20.26	
For 304 Stainless Steel, Add	93.11	
05 12 23 00-0621 LF MC18 x 51.9 - 18" Wide Channel.....	101.88	48.65
For >100 To 250, Deduct	-4.86	
For >250 To 500, Deduct	-7.41	
For >500 To 1,000, Deduct	-11.58	
For >1,000, Deduct	-15.75	
For 316 Stainless Steel, Add	118.46	
For Aluminum, Add	6.66	
For Galvanized Steel, Add	22.95	
For 304 Stainless Steel, Add	105.51	
05 12 23 00-0622 LF MC18 x 58 - 18" Wide Channel.....	113.85	54.36
For >100 To 250, Deduct	-5.44	
For >250 To 500, Deduct	-8.28	
For >500 To 1,000, Deduct	-12.94	
For >1,000, Deduct	-17.60	
For 316 Stainless Steel, Add	132.38	
For Aluminum, Add	7.45	
For Galvanized Steel, Add	25.65	
For 304 Stainless Steel, Add	117.90	
05 12 23 00-0623 Structural Bar Tees (05 12 23 00-0437)		
05 12 23 00-0624 LF 3/4" x 3/4" x 1/8" Structural Bar Tee.....	3.90	2.50
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.71	
For 316 Stainless Steel, Add	1.86	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.36	
For 304 Stainless Steel, Add	1.65	
05 12 23 00-0625 LF 1" x 1" x 1/8" Structural Bar Tee.....	4.70	2.94
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.84	
For 316 Stainless Steel, Add	2.53	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.49	
For 304 Stainless Steel, Add	2.25	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	6.79	3.39
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.79	
			<i>For >1,000, Deduct</i>	-1.08	
			<i>For 316 Stainless Steel, Add</i>	7.23	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.40	
			<i>For 304 Stainless Steel, Add</i>	6.44	
05 12 23 00-0627	LF		2" x 2" x 1/4" Structural Bar Tee	9.29	4.44
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.06	
			<i>For >1,000, Deduct</i>	-1.44	
			<i>For 316 Stainless Steel, Add</i>	10.78	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.09	
			<i>For 304 Stainless Steel, Add</i>	9.60	
05 12 23 00-0628	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	13.20	5.35
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500 To 1,000, Deduct</i>	-1.38	
			<i>For >1,000, Deduct</i>	-1.88	
			<i>For 316 Stainless Steel, Add</i>	19.36	
			<i>For Aluminum, Add</i>	1.09	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	17.24	
05 12 23 00-0629	LF		3" x 3" x 3/8" Structural Bar Tee	16.41	6.86
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000, Deduct</i>	-2.37	
			<i>For 316 Stainless Steel, Add</i>	23.23	
			<i>For Aluminum, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	4.50	
			<i>For 304 Stainless Steel, Add</i>	20.69	
05 12 23 00-0630			Structural Zees <small>(05 12 23 00-0437)</small>		
05 12 23 00-0631	LF		1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	7.90	3.39
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	10.78	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.09	
			<i>For 304 Stainless Steel, Add</i>	9.60	
05 12 23 00-0632	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	13.46	4.05
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500 To 1,000, Deduct</i>	-1.21	
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	25.82	
			<i>For Aluminum, Add</i>	1.45	
			<i>For Galvanized Steel, Add</i>	5.00	
			<i>For 304 Stainless Steel, Add</i>	23.00	
05 12 23 00-0633	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	15.98	4.57
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.41	
			<i>For >1,000, Deduct</i>	-1.96	
			<i>For 316 Stainless Steel, Add</i>	31.62	
			<i>For Aluminum, Add</i>	1.78	
			<i>For Galvanized Steel, Add</i>	6.13	
			<i>For 304 Stainless Steel, Add</i>	28.16	
05 12 23 00-0634	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	20.93	5.22
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500 To 1,000, Deduct</i>	-1.74	
			<i>For >1,000, Deduct</i>	-2.44	
			<i>For 316 Stainless Steel, Add</i>	44.70	
			<i>For Aluminum, Add</i>	2.51	
			<i>For Galvanized Steel, Add</i>	8.66	
			<i>For 304 Stainless Steel, Add</i>	39.81	
05 12 23 00-0635	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	26.49	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500 To 1,000, Deduct</i>	-2.08	
			<i>For >1,000, Deduct</i>	-2.93	
			<i>For 316 Stainless Steel, Add</i>	60.51	
			<i>For Aluminum, Add</i>	3.40	
			<i>For Galvanized Steel, Add</i>	11.72	
			<i>For 304 Stainless Steel, Add</i>	53.89	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636 Junior I-Beams <small>(05 12 23 00-0437)</small>		
05 12 23 00-0637 LF 3" Junior I-Beam, 2.9 LB/LF.....	10.98	4.90
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.20	
For >1,000, Deduct	-1.64	
For 316 Stainless Steel, Add	14.24	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	12.68	
05 12 23 00-0638 LF 4" Junior I-Beam, 3.2 LB/LF.....	12.06	5.35
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.80	
For 316 Stainless Steel, Add	15.71	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.04	
For 304 Stainless Steel, Add	13.99	
05 12 23 00-0639 LF 5" Junior I-Beam, 3.8 LB/LF.....	13.66	5.88
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.00	
For 316 Stainless Steel, Add	18.62	
For Aluminum, Add	1.05	
For Galvanized Steel, Add	3.61	
For 304 Stainless Steel, Add	16.59	
05 12 23 00-0640 LF 6" Junior I-Beam, 4.4 LB/LF.....	15.27	6.40
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.02	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.21	
For 316 Stainless Steel, Add	21.57	
For Aluminum, Add	1.21	
For Galvanized Steel, Add	4.18	
For 304 Stainless Steel, Add	19.21	
05 12 23 00-0641 LF 7" Junior I-Beam, 5.5 LB/LF.....	17.58	6.85
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-1.79	
For >1,000, Deduct	-2.46	
For 316 Stainless Steel, Add	26.98	
For Aluminum, Add	1.52	
For Galvanized Steel, Add	5.23	
For 304 Stainless Steel, Add	24.03	
05 12 23 00-0642 LF 8" Junior I-Beam, 6.5 LB/LF.....	19.71	7.32
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-2.70	
For 316 Stainless Steel, Add	31.87	
For Aluminum, Add	1.79	
For Galvanized Steel, Add	6.18	
For 304 Stainless Steel, Add	28.39	
05 12 23 00-0643 LF 10" Junior I-Beam, 9 LB/LF.....	24.95	8.36
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.46	
For >500 To 1,000, Deduct	-2.36	
For >1,000, Deduct	-3.27	
For 316 Stainless Steel, Add	44.16	
For Aluminum, Add	2.48	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.33	
05 12 23 00-0644 LF 12" Junior I-Beam, 11.8 LB/LF.....	31.33	9.93
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.78	
For >500 To 1,000, Deduct	-2.89	
For >1,000, Deduct	-4.00	
For 316 Stainless Steel, Add	57.89	
For Aluminum, Add	3.26	
For Galvanized Steel, Add	11.22	
For 304 Stainless Steel, Add	51.56	
05 12 23 00-0645 Round Stock <small>(05 12 23 00-0437)</small>		
05 12 23 00-0646 LF 1/4" Carbon Steel Rounds, ASTM A108.....	1.55	
For 316 Stainless Steel, Add	2.14	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.91	
05 12 23 00-0647 LF 3/8" Carbon Steel Rounds, ASTM A108.....	2.31	
For 316 Stainless Steel, Add	4.22	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.76	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0648	LF		1/2" Carbon Steel Rounds, ASTM A108 .....3.10		
			For 316 Stainless Steel, Add	6.43	
			For Aluminum, Add	0.36	
			For Galvanized Steel, Add	1.25	
			For 304 Stainless Steel, Add	5.73	
05 12 23 00-0649	LF		5/8" Carbon Steel Rounds, ASTM A108 .....4.57		
			For 316 Stainless Steel, Add	10.75	
			For Aluminum, Add	0.60	
			For Galvanized Steel, Add	2.08	
			For 304 Stainless Steel, Add	9.58	
05 12 23 00-0650	LF		3/4" Carbon Steel Rounds, ASTM A108 .....5.44		
			For 316 Stainless Steel, Add	12.77	
			For Aluminum, Add	0.72	
			For Galvanized Steel, Add	2.47	
			For 304 Stainless Steel, Add	11.37	
05 12 23 00-0651	LF		7/8" Carbon Steel Rounds, ASTM A108 .....6.33		
			For 316 Stainless Steel, Add	14.91	
			For Aluminum, Add	0.84	
			For Galvanized Steel, Add	2.89	
			For 304 Stainless Steel, Add	13.28	
05 12 23 00-0652	LF		1" Carbon Steel Rounds, ASTM A108 .....9.08		
			For 316 Stainless Steel, Add	22.72	
			For Aluminum, Add	1.28	
			For Galvanized Steel, Add	4.40	
			For 304 Stainless Steel, Add	20.24	
05 12 23 00-0653	LF		1-1/8" Carbon Steel Rounds, ASTM A108 .....11.05		
			For 316 Stainless Steel, Add	27.62	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.35	
			For 304 Stainless Steel, Add	24.60	
05 12 23 00-0654	LF		1-1/4" Carbon Steel Rounds, ASTM A108 .....13.26		
			For 316 Stainless Steel, Add	32.48	
			For Aluminum, Add	1.83	
			For Galvanized Steel, Add	6.29	
			For 304 Stainless Steel, Add	28.93	
05 12 23 00-0655	LF		1-3/8" Carbon Steel Rounds, ASTM A108 .....16.02		
			For 316 Stainless Steel, Add	39.65	
			For Aluminum, Add	2.23	
			For Galvanized Steel, Add	7.68	
			For 304 Stainless Steel, Add	35.31	
05 12 23 00-0656	LF		1-1/2" Carbon Steel Rounds, ASTM A108 .....17.95		
			For 316 Stainless Steel, Add	43.49	
			For Aluminum, Add	2.45	
			For Galvanized Steel, Add	8.43	
			For 304 Stainless Steel, Add	38.73	
05 12 23 00-0657	LF		1-5/8" Carbon Steel Rounds, ASTM A108 .....20.84		
			For 316 Stainless Steel, Add	49.28	
			For Aluminum, Add	2.77	
			For Galvanized Steel, Add	9.55	
			For 304 Stainless Steel, Add	43.89	
05 12 23 00-0658	LF		1-3/4" Carbon Steel Rounds, ASTM A108 .....25.18		
			For 316 Stainless Steel, Add	57.34	
			For Aluminum, Add	3.23	
			For Galvanized Steel, Add	11.11	
			For 304 Stainless Steel, Add	51.07	
05 12 23 00-0659	LF		1-7/8" Carbon Steel Rounds, ASTM A108 .....30.57		
			For 316 Stainless Steel, Add	67.17	
			For Aluminum, Add	3.78	
			For Galvanized Steel, Add	13.01	
			For 304 Stainless Steel, Add	59.82	
05 12 23 00-0660	LF		2" Carbon Steel Rounds, ASTM A108 .....35.15		
			For 316 Stainless Steel, Add	74.72	
			For Aluminum, Add	4.20	
			For Galvanized Steel, Add	14.48	
			For 304 Stainless Steel, Add	66.55	
05 12 23 00-0661	LF		2-1/8" Carbon Steel Rounds, ASTM A108 .....41.31		
			For 316 Stainless Steel, Add	85.34	
			For Aluminum, Add	4.80	
			For Galvanized Steel, Add	16.54	
			For 304 Stainless Steel, Add	76.01	
05 12 23 00-0662	LF		2-1/4" Carbon Steel Rounds, ASTM A108 .....46.84		
			For 316 Stainless Steel, Add	95.97	
			For Aluminum, Add	5.40	
			For Galvanized Steel, Add	18.59	
			For 304 Stainless Steel, Add	85.47	
05 12 23 00-0663	LF		2-3/8" Carbon Steel Rounds, ASTM A108 .....53.67		
			For 316 Stainless Steel, Add	109.76	
			For Aluminum, Add	6.17	
			For Galvanized Steel, Add	21.27	
			For 304 Stainless Steel, Add	97.76	
05 12 23 00-0664	LF		2-1/2" Carbon Steel Rounds, ASTM A108 .....59.71		
			For 316 Stainless Steel, Add	118.27	
			For Aluminum, Add	6.65	
			For Galvanized Steel, Add	22.92	
			For 304 Stainless Steel, Add	105.34	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0665	LF			2-5/8" Carbon Steel Rounds, ASTM A108.....72.21		
				<i>For 316 Stainless Steel, Add</i>	150.24	
				<i>For Aluminum, Add</i>	8.45	
				<i>For Galvanized Steel, Add</i>	29.11	
				<i>For 304 Stainless Steel, Add</i>	133.81	
05 12 23 00-0666	LF			2-3/4" Carbon Steel Rounds, ASTM A108.....82.18		
				<i>For 316 Stainless Steel, Add</i>	171.33	
				<i>For Aluminum, Add</i>	9.64	
				<i>For Galvanized Steel, Add</i>	33.19	
				<i>For 304 Stainless Steel, Add</i>	152.59	
05 12 23 00-0667	LF			2-7/8 Carbon Steel Rounds, ASTM A108.....91.68		
				<i>For 316 Stainless Steel, Add</i>	190.94	
				<i>For Aluminum, Add</i>	10.74	
				<i>For Galvanized Steel, Add</i>	37.00	
				<i>For 304 Stainless Steel, Add</i>	170.06	
05 12 23 00-0668	LF			3" Carbon Steel Rounds, ASTM A108.....96.84		
				<i>For 316 Stainless Steel, Add</i>	196.67	
				<i>For Aluminum, Add</i>	11.06	
				<i>For Galvanized Steel, Add</i>	38.11	
				<i>For 304 Stainless Steel, Add</i>	175.16	
05 12 23 00-0669	LF			3-1/8" Carbon Steel Rounds, ASTM A108.....101.57		
				<i>For 316 Stainless Steel, Add</i>	201.02	
				<i>For Aluminum, Add</i>	11.31	
				<i>For Galvanized Steel, Add</i>	38.95	
				<i>For 304 Stainless Steel, Add</i>	179.04	
05 12 23 00-0670	LF			3-1/4" Carbon Steel Rounds, ASTM A108.....107.50		
				<i>For 316 Stainless Steel, Add</i>	209.22	
				<i>For Aluminum, Add</i>	11.77	
				<i>For Galvanized Steel, Add</i>	40.54	
				<i>For 304 Stainless Steel, Add</i>	186.33	
05 12 23 00-0671	LF			3-1/2" Carbon Steel Rounds, ASTM A108.....129.29		
				<i>For 316 Stainless Steel, Add</i>	265.47	
				<i>For Aluminum, Add</i>	14.93	
				<i>For Galvanized Steel, Add</i>	51.44	
				<i>For 304 Stainless Steel, Add</i>	236.44	
05 12 23 00-0672	LF			3-5/8" Carbon Steel Rounds, ASTM A108.....143.34		
				<i>For 316 Stainless Steel, Add</i>	296.96	
				<i>For Aluminum, Add</i>	16.70	
				<i>For Galvanized Steel, Add</i>	57.54	
				<i>For 304 Stainless Steel, Add</i>	264.48	
05 12 23 00-0673	LF			3-3/4" Carbon Steel Rounds, ASTM A108.....154.02		
				<i>For 316 Stainless Steel, Add</i>	317.66	
				<i>For Aluminum, Add</i>	17.87	
				<i>For Galvanized Steel, Add</i>	61.55	
				<i>For 304 Stainless Steel, Add</i>	282.92	
05 12 23 00-0674	LF			4" Carbon Steel Rounds, ASTM A108.....172.00		
				<i>For 316 Stainless Steel, Add</i>	361.70	
				<i>For Aluminum, Add</i>	20.35	
				<i>For Galvanized Steel, Add</i>	70.08	
				<i>For 304 Stainless Steel, Add</i>	322.14	
05 12 23 00-0675				Square Stock (05 12 23 00-0437)		
05 12 23 00-0676	LF			3/8" Square Bar Stock.....1.33		
				<i>For 316 Stainless Steel, Add</i>	1.09	
				<i>For Aluminum, Add</i>	0.06	
				<i>For Galvanized Steel, Add</i>	0.21	
				<i>For 304 Stainless Steel, Add</i>	0.97	
05 12 23 00-0677	LF			1/2" Square Bar Stock.....1.69		
				<i>For 316 Stainless Steel, Add</i>	1.92	
				<i>For Aluminum, Add</i>	0.11	
				<i>For Galvanized Steel, Add</i>	0.37	
				<i>For 304 Stainless Steel, Add</i>	1.71	
05 12 23 00-0678	LF			5/8" Square Bar Stock.....2.15		
				<i>For 316 Stainless Steel, Add</i>	3.01	
				<i>For Aluminum, Add</i>	0.17	
				<i>For Galvanized Steel, Add</i>	0.58	
				<i>For 304 Stainless Steel, Add</i>	2.68	
05 12 23 00-0679	LF			3/4" Square Bar Stock.....2.81		
				<i>For 316 Stainless Steel, Add</i>	4.35	
				<i>For Aluminum, Add</i>	0.24	
				<i>For Galvanized Steel, Add</i>	0.84	
				<i>For 304 Stainless Steel, Add</i>	3.88	
05 12 23 00-0680	LF			7/8" Square Bar Stock.....3.56		
				<i>For 316 Stainless Steel, Add</i>	6.05	
				<i>For Aluminum, Add</i>	0.34	
				<i>For Galvanized Steel, Add</i>	1.17	
				<i>For 304 Stainless Steel, Add</i>	5.39	
05 12 23 00-0681	LF			1" Square Bar Stock.....4.40		
				<i>For 316 Stainless Steel, Add</i>	7.74	
				<i>For Aluminum, Add</i>	0.44	
				<i>For Galvanized Steel, Add</i>	1.50	
				<i>For 304 Stainless Steel, Add</i>	6.90	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0682	LF		1-1/4" Square Bar Stock	6.89	
			For 316 Stainless Steel, Add	12.10	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.34	
			For 304 Stainless Steel, Add	10.77	
05 12 23 00-0683	LF		1-1/2" Square Bar Stock	9.80	
			For 316 Stainless Steel, Add	17.41	
			For Aluminum, Add	0.98	
			For Galvanized Steel, Add	3.37	
			For 304 Stainless Steel, Add	15.50	
05 12 23 00-0684	LF		1-3/4" Square Bar Stock	14.83	
			For 316 Stainless Steel, Add	24.22	
			For Aluminum, Add	1.36	
			For Galvanized Steel, Add	4.69	
			For 304 Stainless Steel, Add	21.57	
05 12 23 00-0685	LF		2" Square Bar Stock	21.88	
			For 316 Stainless Steel, Add	30.98	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	6.00	
			For 304 Stainless Steel, Add	27.59	
05 12 23 00-0686			Steel Tubing (05 12 23 00-0437)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0687			Square Steel Tubing (05 12 23 00-0686)		
05 12 23 00-0688			0.06" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0689	LF		1/2" x 1/2" x 0.06" Square Steel Tubing	1.51	0.47
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.08	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000, Deduct	-0.19	
			For 316 Stainless Steel, Add	2.85	
			For Aluminum, Add	0.16	
			For Galvanized Steel, Add	0.55	
			For 304 Stainless Steel, Add	2.54	
05 12 23 00-0690	LF		3/4" x 3/4" x 0.06" Square Steel Tubing	2.34	0.73
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.13	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.30	
			For 316 Stainless Steel, Add	4.32	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.84	
			For 304 Stainless Steel, Add	3.85	
05 12 23 00-0691	LF		1" x 1" x 0.06" Square Steel Tubing	3.15	1.34
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.29	
			For >1,000, Deduct	-0.40	
			For 316 Stainless Steel, Add	5.79	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.12	
			For 304 Stainless Steel, Add	5.16	
05 12 23 00-0692	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.13	1.27
			For >100 To 250, Deduct	-0.13	
			For >250 To 500, Deduct	-0.23	
			For >500 To 1,000, Deduct	-0.38	
			For >1,000, Deduct	-0.52	
			For 316 Stainless Steel, Add	7.81	
			For Aluminum, Add	0.44	
			For Galvanized Steel, Add	1.51	
			For 304 Stainless Steel, Add	6.95	
05 12 23 00-0693	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.92	1.54
			For >100 To 250, Deduct	-0.15	
			For >250 To 500, Deduct	-0.28	
			For >500 To 1,000, Deduct	-0.45	
			For >1,000, Deduct	-0.63	
			For 316 Stainless Steel, Add	9.18	
			For Aluminum, Add	0.52	
			For Galvanized Steel, Add	1.78	
			For 304 Stainless Steel, Add	8.18	
05 12 23 00-0694			0.083" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0695	LF		3/4" x 3/4" x 0.083" Square Steel Tubing	2.72	0.87
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000, Deduct	-0.35	
			For 316 Stainless Steel, Add	5.02	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.97	
			For 304 Stainless Steel, Add	4.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0696 LF 1" x 1" x 0.083" Square Steel Tubing.....	3.93	1.19
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.49	
For 316 Stainless Steel, Add	7.52	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.46	
For 304 Stainless Steel, Add	6.70	
05 12 23 00-0697 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	4.78	1.51
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.44	
For >1,000, Deduct	-0.61	
For 316 Stainless Steel, Add	8.86	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.72	
For 304 Stainless Steel, Add	7.89	
05 12 23 00-0698 LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	5.79	1.83
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.74	
For 316 Stainless Steel, Add	10.72	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.08	
For 304 Stainless Steel, Add	9.55	
05 12 23 00-0699 LF 2" x 2" x 0.083" Square Steel Tubing.....	7.46	2.44
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-0.97	
For 316 Stainless Steel, Add	13.47	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.61	
For 304 Stainless Steel, Add	12.00	
05 12 23 00-0700 0.12" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0701 LF 1" x 1" x 0.12" Square Steel Tubing.....	4.38	1.41
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.56	
For 316 Stainless Steel, Add	8.00	
For Aluminum, Add	0.45	
For Galvanized Steel, Add	1.55	
For 304 Stainless Steel, Add	7.13	
05 12 23 00-0702 LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	5.65	1.81
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.52	
For >1,000, Deduct	-0.73	
For 316 Stainless Steel, Add	10.34	
For Aluminum, Add	0.58	
For Galvanized Steel, Add	2.00	
For 304 Stainless Steel, Add	9.21	
05 12 23 00-0703 LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	6.93	2.20
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.89	
For 316 Stainless Steel, Add	12.74	
For Aluminum, Add	0.72	
For Galvanized Steel, Add	2.47	
For 304 Stainless Steel, Add	11.34	
05 12 23 00-0704 LF 2" x 2" x 0.12" Square Steel Tubing.....	9.39	3.01
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.87	
For >1,000, Deduct	-1.21	
For 316 Stainless Steel, Add	17.18	
For Aluminum, Add	0.97	
For Galvanized Steel, Add	3.33	
For 304 Stainless Steel, Add	15.30	

05 12 23 00-0705 1/8" Wall Thickness (05 12 23 00-0687)

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706	LF		2" x 2" x 1/8" Square Steel Tubing.....	8.64	3.13
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.17	
			<i>For 316 Stainless Steel, Add</i>	14.30	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.77	
			<i>For 304 Stainless Steel, Add</i>	12.74	
05 12 23 00-0707	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	11.32	3.96
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.09	
			<i>For >1,000, Deduct</i>	-1.51	
			<i>For 316 Stainless Steel, Add</i>	19.33	
			<i>For Aluminum, Add</i>	1.09	
			<i>For Galvanized Steel, Add</i>	3.74	
			<i>For 304 Stainless Steel, Add</i>	17.21	
05 12 23 00-0708	LF		3" x 3" x 1/8" Square Steel Tubing.....	13.34	4.79
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.31	
			<i>For >1,000, Deduct</i>	-1.80	
			<i>For 316 Stainless Steel, Add</i>	22.24	
			<i>For Aluminum, Add</i>	1.25	
			<i>For Galvanized Steel, Add</i>	4.31	
			<i>For 304 Stainless Steel, Add</i>	19.81	
05 12 23 00-0709	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	15.50	5.63
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.10	
			<i>For 316 Stainless Steel, Add</i>	25.57	
			<i>For Aluminum, Add</i>	1.44	
			<i>For Galvanized Steel, Add</i>	4.95	
			<i>For 304 Stainless Steel, Add</i>	22.77	
05 12 23 00-0710	LF		4" x 4" x 1/8" Square Steel Tubing.....	17.20	6.46
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500 To 1,000, Deduct</i>	-1.72	
			<i>For >1,000, Deduct</i>	-2.37	
			<i>For 316 Stainless Steel, Add</i>	27.46	
			<i>For Aluminum, Add</i>	1.54	
			<i>For Galvanized Steel, Add</i>	5.32	
			<i>For 304 Stainless Steel, Add</i>	24.45	
05 12 23 00-0711			3/16" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0712	LF		2" x 2" x 3/16" Square Steel Tubing.....	9.79	3.53
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.96	
			<i>For >1,000, Deduct</i>	-1.32	
			<i>For 316 Stainless Steel, Add</i>	16.29	
			<i>For Aluminum, Add</i>	0.92	
			<i>For Galvanized Steel, Add</i>	3.16	
			<i>For 304 Stainless Steel, Add</i>	14.51	
05 12 23 00-0713	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	12.68	4.57
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.24	
			<i>For >1,000, Deduct</i>	-1.71	
			<i>For 316 Stainless Steel, Add</i>	21.09	
			<i>For Aluminum, Add</i>	1.19	
			<i>For Galvanized Steel, Add</i>	4.09	
			<i>For 304 Stainless Steel, Add</i>	18.78	
05 12 23 00-0714	LF		3" x 3" x 3/16" Square Steel Tubing.....	15.58	5.61
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.10	
			<i>For 316 Stainless Steel, Add</i>	25.92	
			<i>For Aluminum, Add</i>	1.46	
			<i>For Galvanized Steel, Add</i>	5.02	
			<i>For 304 Stainless Steel, Add</i>	23.09	
05 12 23 00-0715	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	18.49	6.65
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.81	
			<i>For >1,000, Deduct</i>	-2.50	
			<i>For 316 Stainless Steel, Add</i>	30.75	
			<i>For Aluminum, Add</i>	1.73	
			<i>For Galvanized Steel, Add</i>	5.96	
			<i>For 304 Stainless Steel, Add</i>	27.39	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716 LF 4" x 4" x 3/16" Square Steel Tubing.....	21.36	7.69
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.30	
For >500 To 1,000, Deduct	-2.09	
For >1,000, Deduct	-2.88	
For 316 Stainless Steel, Add	35.52	
For Aluminum, Add	2.00	
For Galvanized Steel, Add	6.88	
For 304 Stainless Steel, Add	31.64	
05 12 23 00-0717 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	24.26	8.74
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.38	
For >1,000, Deduct	-3.28	
For 316 Stainless Steel, Add	40.35	
For Aluminum, Add	2.27	
For Galvanized Steel, Add	7.82	
For 304 Stainless Steel, Add	35.94	
05 12 23 00-0718 LF 5" x 5" x 3/16" Square Steel Tubing.....	27.14	9.77
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.66	
For >500 To 1,000, Deduct	-2.66	
For >1,000, Deduct	-3.66	
For 316 Stainless Steel, Add	45.15	
For Aluminum, Add	2.54	
For Galvanized Steel, Add	8.75	
For 304 Stainless Steel, Add	40.21	
05 12 23 00-0719 LF 6" x 6" x 3/16" Square Steel Tubing.....	32.95	11.87
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-2.01	
For >500 To 1,000, Deduct	-3.23	
For >1,000, Deduct	-4.45	
For 316 Stainless Steel, Add	54.82	
For Aluminum, Add	3.08	
For Galvanized Steel, Add	10.62	
For 304 Stainless Steel, Add	48.82	
05 12 23 00-0720 1/4" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0721 LF 2" x 2" x 1/4" Square Steel Tubing.....	10.34	3.53
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.36	
For 316 Stainless Steel, Add	18.02	
For Aluminum, Add	1.01	
For Galvanized Steel, Add	3.49	
For 304 Stainless Steel, Add	16.05	
05 12 23 00-0722 LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	13.59	4.65
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.30	
For >1,000, Deduct	-1.79	
For 316 Stainless Steel, Add	23.68	
For Aluminum, Add	1.33	
For Galvanized Steel, Add	4.59	
For 304 Stainless Steel, Add	21.09	
05 12 23 00-0723 LF 3" x 3" x 1/4" Square Steel Tubing.....	16.83	5.76
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.22	
For 316 Stainless Steel, Add	29.31	
For Aluminum, Add	1.65	
For Galvanized Steel, Add	5.68	
For 304 Stainless Steel, Add	26.11	
05 12 23 00-0724 LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	20.09	6.86
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.19	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.65	
For 316 Stainless Steel, Add	34.98	
For Aluminum, Add	1.97	
For Galvanized Steel, Add	6.78	
For 304 Stainless Steel, Add	31.15	
05 12 23 00-0725 LF 4" x 4" x 1/4" Square Steel Tubing.....	23.34	7.98
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.38	
For >500 To 1,000, Deduct	-2.23	
For >1,000, Deduct	-3.08	
For 316 Stainless Steel, Add	40.64	
For Aluminum, Add	2.29	
For Galvanized Steel, Add	7.87	
For 304 Stainless Steel, Add	36.20	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0726	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	26.59	9.09
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.51	
			<i>For 316 Stainless Steel, Add</i>	46.30	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Galvanized Steel, Add</i>	8.97	
			<i>For 304 Stainless Steel, Add</i>	41.24	
05 12 23 00-0727	LF		5" x 5" x 1/4" Square Steel Tubing.....	29.86	10.21
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500 To 1,000, Deduct</i>	-2.85	
			<i>For >1,000, Deduct</i>	-3.94	
			<i>For 316 Stainless Steel, Add</i>	52.00	
			<i>For Aluminum, Add</i>	2.93	
			<i>For Galvanized Steel, Add</i>	10.08	
			<i>For 304 Stainless Steel, Add</i>	46.31	
05 12 23 00-0728	LF		6" x 6" x 1/4" Square Steel Tubing.....	36.36	12.43
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-2.15	
			<i>For >500 To 1,000, Deduct</i>	-3.48	
			<i>For >1,000, Deduct</i>	-4.80	
			<i>For 316 Stainless Steel, Add</i>	63.33	
			<i>For Aluminum, Add</i>	3.56	
			<i>For Galvanized Steel, Add</i>	12.27	
			<i>For 304 Stainless Steel, Add</i>	56.40	
05 12 23 00-0729			Rectangular Steel Tubing (05 12 23 00-0686)		
05 12 23 00-0730			3/16" Wall Thickness (05 12 23 00-0729)		
05 12 23 00-0731	LF		3" x 2" x 3/16" Square Steel Tubing.....	12.68	4.57
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.24	
			<i>For >1,000, Deduct</i>	-1.71	
			<i>For 316 Stainless Steel, Add</i>	21.09	
			<i>For Aluminum, Add</i>	1.19	
			<i>For Galvanized Steel, Add</i>	4.09	
			<i>For 304 Stainless Steel, Add</i>	18.78	
05 12 23 00-0732	LF		4" x 2" x 3/16" Square Steel Tubing.....	15.58	5.61
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500 To 1,000, Deduct</i>	-1.53	
			<i>For >1,000, Deduct</i>	-2.10	
			<i>For 316 Stainless Steel, Add</i>	25.92	
			<i>For Aluminum, Add</i>	1.46	
			<i>For Galvanized Steel, Add</i>	5.02	
			<i>For 304 Stainless Steel, Add</i>	23.09	
05 12 23 00-0733	LF		4" x 3" x 3/16" Square Steel Tubing.....	18.49	6.65
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.81	
			<i>For >1,000, Deduct</i>	-2.50	
			<i>For 316 Stainless Steel, Add</i>	30.75	
			<i>For Aluminum, Add</i>	1.73	
			<i>For Galvanized Steel, Add</i>	5.96	
			<i>For 304 Stainless Steel, Add</i>	27.39	
05 12 23 00-0734	LF		5" x 2" x 3/16" Square Steel Tubing.....	18.49	6.65
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500 To 1,000, Deduct</i>	-1.81	
			<i>For >1,000, Deduct</i>	-2.50	
			<i>For 316 Stainless Steel, Add</i>	30.75	
			<i>For Aluminum, Add</i>	1.73	
			<i>For Galvanized Steel, Add</i>	5.96	
			<i>For 304 Stainless Steel, Add</i>	27.39	
05 12 23 00-0735	LF		5" x 3" x 3/16" Square Steel Tubing.....	21.36	7.69
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500 To 1,000, Deduct</i>	-2.09	
			<i>For >1,000, Deduct</i>	-2.88	
			<i>For 316 Stainless Steel, Add</i>	35.52	
			<i>For Aluminum, Add</i>	2.00	
			<i>For Galvanized Steel, Add</i>	6.88	
			<i>For 304 Stainless Steel, Add</i>	31.64	
05 12 23 00-0736	LF		5" x 4" x 3/16" Square Steel Tubing.....	24.26	8.74
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500 To 1,000, Deduct</i>	-2.38	
			<i>For >1,000, Deduct</i>	-3.28	
			<i>For 316 Stainless Steel, Add</i>	40.35	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.82	
			<i>For 304 Stainless Steel, Add</i>	35.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0737	LF		6" x 2" x 3/16" Square Steel Tubing.....	21.36	7.69
				<i>For >100 To 250, Deduct</i>	-0.77	
				<i>For >250 To 500, Deduct</i>	-1.30	
				<i>For >500 To 1,000, Deduct</i>	-2.09	
				<i>For >1,000, Deduct</i>	-2.88	
				<i>For 316 Stainless Steel, Add</i>	35.52	
				<i>For Aluminum, Add</i>	2.00	
				<i>For Galvanized Steel, Add</i>	6.88	
				<i>For 304 Stainless Steel, Add</i>	31.64	
	05 12 23 00-0738	LF		6" x 3" x 3/16" Square Steel Tubing.....	24.26	8.74
				<i>For >100 To 250, Deduct</i>	-0.87	
				<i>For >250 To 500, Deduct</i>	-1.48	
				<i>For >500 To 1,000, Deduct</i>	-2.38	
				<i>For >1,000, Deduct</i>	-3.28	
				<i>For 316 Stainless Steel, Add</i>	40.35	
				<i>For Aluminum, Add</i>	2.27	
				<i>For Galvanized Steel, Add</i>	7.82	
				<i>For 304 Stainless Steel, Add</i>	35.94	
	05 12 23 00-0739	LF		6" x 4" x 3/16" Square Steel Tubing.....	27.14	9.77
				<i>For >100 To 250, Deduct</i>	-0.98	
				<i>For >250 To 500, Deduct</i>	-1.66	
				<i>For >500 To 1,000, Deduct</i>	-2.66	
				<i>For >1,000, Deduct</i>	-3.66	
				<i>For 316 Stainless Steel, Add</i>	45.15	
				<i>For Aluminum, Add</i>	2.54	
				<i>For Galvanized Steel, Add</i>	8.75	
				<i>For 304 Stainless Steel, Add</i>	40.21	
	05 12 23 00-0740			1/4" Wall Thickness (05 12 23 00-0729)		
	05 12 23 00-0741	LF		3" x 2" x 1/4" Square Steel Tubing.....	13.59	4.65
				<i>For >100 To 250, Deduct</i>	-0.46	
				<i>For >250 To 500, Deduct</i>	-0.80	
				<i>For >500 To 1,000, Deduct</i>	-1.30	
				<i>For >1,000, Deduct</i>	-1.79	
				<i>For 316 Stainless Steel, Add</i>	23.68	
				<i>For Aluminum, Add</i>	1.33	
				<i>For Galvanized Steel, Add</i>	4.59	
				<i>For 304 Stainless Steel, Add</i>	21.09	
	05 12 23 00-0742	LF		4" x 2" x 1/4" Square Steel Tubing.....	16.83	5.76
				<i>For >100 To 250, Deduct</i>	-0.58	
				<i>For >250 To 500, Deduct</i>	-1.00	
				<i>For >500 To 1,000, Deduct</i>	-1.61	
				<i>For >1,000, Deduct</i>	-2.22	
				<i>For 316 Stainless Steel, Add</i>	29.31	
				<i>For Aluminum, Add</i>	1.65	
				<i>For Galvanized Steel, Add</i>	5.68	
				<i>For 304 Stainless Steel, Add</i>	26.11	
	05 12 23 00-0743	LF		4" x 3" x 1/4" Square Steel Tubing.....	20.09	6.86
				<i>For >100 To 250, Deduct</i>	-0.69	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500 To 1,000, Deduct</i>	-1.92	
				<i>For >1,000, Deduct</i>	-2.65	
				<i>For 316 Stainless Steel, Add</i>	34.98	
				<i>For Aluminum, Add</i>	1.97	
				<i>For Galvanized Steel, Add</i>	6.78	
				<i>For 304 Stainless Steel, Add</i>	31.15	
	05 12 23 00-0744	LF		5" x 2" x 1/4" Square Steel Tubing.....	20.09	6.86
				<i>For >100 To 250, Deduct</i>	-0.69	
				<i>For >250 To 500, Deduct</i>	-1.19	
				<i>For >500 To 1,000, Deduct</i>	-1.92	
				<i>For >1,000, Deduct</i>	-2.65	
				<i>For 316 Stainless Steel, Add</i>	34.98	
				<i>For Aluminum, Add</i>	1.97	
				<i>For Galvanized Steel, Add</i>	6.78	
				<i>For 304 Stainless Steel, Add</i>	31.15	
	05 12 23 00-0745	LF		5" x 3" x 1/4" Square Steel Tubing.....	23.34	7.98
				<i>For >100 To 250, Deduct</i>	-0.80	
				<i>For >250 To 500, Deduct</i>	-1.38	
				<i>For >500 To 1,000, Deduct</i>	-2.23	
				<i>For >1,000, Deduct</i>	-3.08	
				<i>For 316 Stainless Steel, Add</i>	40.64	
				<i>For Aluminum, Add</i>	2.29	
				<i>For Galvanized Steel, Add</i>	7.87	
				<i>For 304 Stainless Steel, Add</i>	36.20	
	05 12 23 00-0746	LF		5" x 4" x 1/4" Square Steel Tubing.....	26.59	9.09
				<i>For >100 To 250, Deduct</i>	-0.91	
				<i>For >250 To 500, Deduct</i>	-1.57	
				<i>For >500 To 1,000, Deduct</i>	-2.54	
				<i>For >1,000, Deduct</i>	-3.51	
				<i>For 316 Stainless Steel, Add</i>	46.30	
				<i>For Aluminum, Add</i>	2.60	
				<i>For Galvanized Steel, Add</i>	8.97	
				<i>For 304 Stainless Steel, Add</i>	41.24	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0747	LF		6" x 2" x 1/4" Square Steel Tubing.....	23.34	7.98
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500 To 1,000, Deduct</i>	-2.23	
			<i>For >1,000, Deduct</i>	-3.08	
			<i>For 316 Stainless Steel, Add</i>	40.64	
			<i>For Aluminum, Add</i>	2.29	
			<i>For Galvanized Steel, Add</i>	7.87	
			<i>For 304 Stainless Steel, Add</i>	36.20	
05 12 23 00-0748	LF		6" x 3" x 1/4" Square Steel Tubing.....	26.59	9.09
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500 To 1,000, Deduct</i>	-2.54	
			<i>For >1,000, Deduct</i>	-3.51	
			<i>For 316 Stainless Steel, Add</i>	46.30	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Galvanized Steel, Add</i>	8.97	
			<i>For 304 Stainless Steel, Add</i>	41.24	
05 12 23 00-0749	LF		6" x 4" x 1/4" Square Steel Tubing.....	29.86	10.21
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.77	
			<i>For >500 To 1,000, Deduct</i>	-2.85	
			<i>For >1,000, Deduct</i>	-3.94	
			<i>For 316 Stainless Steel, Add</i>	52.00	
			<i>For Aluminum, Add</i>	2.93	
			<i>For Galvanized Steel, Add</i>	10.08	
			<i>For 304 Stainless Steel, Add</i>	46.31	
05 12 23 00-0750			Round Steel Tubing (05 12 23 00-0696)		
05 12 23 00-0751			0.065" Wall Thickness (05 12 23 00-0750)		
05 12 23 00-0752	LF		1" Diameter x 0.065" Round Steel Tubing.....	2.71	0.85
			<i>For >100 To 250, Deduct</i>	-0.08	
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000, Deduct</i>	-0.34	
			<i>For 316 Stainless Steel, Add</i>	5.06	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.98	
			<i>For 304 Stainless Steel, Add</i>	4.50	
05 12 23 00-0753	LF		1-1/4" Diameter x 0.065" Round Steel Tubing.....	3.44	1.08
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.19	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000, Deduct</i>	-0.44	
			<i>For 316 Stainless Steel, Add</i>	6.43	
			<i>For Aluminum, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	5.73	
05 12 23 00-0754	LF		1-1/2" Diameter x 0.065" Round Steel Tubing.....	4.16	1.30
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.38	
			<i>For >1,000, Deduct</i>	-0.53	
			<i>For 316 Stainless Steel, Add</i>	7.78	
			<i>For Aluminum, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.51	
			<i>For 304 Stainless Steel, Add</i>	6.93	
05 12 23 00-0755	LF		2" Diameter x 0.065" Round Steel Tubing.....	5.60	1.75
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000, Deduct</i>	-0.71	
			<i>For 316 Stainless Steel, Add</i>	10.46	
			<i>For Aluminum, Add</i>	0.59	
			<i>For Galvanized Steel, Add</i>	2.03	
			<i>For 304 Stainless Steel, Add</i>	9.32	
05 12 23 00-0756	LF		2-1/2" Diameter x 0.065" Round Steel Tubing.....	7.07	2.20
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.65	
			<i>For >1,000, Deduct</i>	-0.90	
			<i>For 316 Stainless Steel, Add</i>	13.18	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.55	
			<i>For 304 Stainless Steel, Add</i>	11.74	
05 12 23 00-0757	LF		3" Diameter x 0.065" Round Steel Tubing.....	8.51	2.66
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000, Deduct</i>	-1.08	
			<i>For 316 Stainless Steel, Add</i>	15.87	
			<i>For Aluminum, Add</i>	0.89	
			<i>For Galvanized Steel, Add</i>	3.08	
			<i>For 304 Stainless Steel, Add</i>	14.14	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758	LF		3-1/2" Diameter x 0.065" Round Steel Tubing	9.97	3.12
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.91	
			<i>For >1,000, Deduct</i>	-1.27	
			<i>For 316 Stainless Steel, Add</i>	18.59	
			<i>For Aluminum, Add</i>	1.05	
			<i>For Galvanized Steel, Add</i>	3.60	
			<i>For 304 Stainless Steel, Add</i>	16.56	
05 12 23 00-0759	LF		4" Diameter x 0.065" Round Steel Tubing	11.42	3.57
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.45	
			<i>For 316 Stainless Steel, Add</i>	21.31	
			<i>For Aluminum, Add</i>	1.20	
			<i>For Galvanized Steel, Add</i>	4.13	
			<i>For 304 Stainless Steel, Add</i>	18.98	
05 12 23 00-0760			0.083" Wall Thickness <small>(05 12 23 00-0750)</small>		
05 12 23 00-0761	LF		1" Diameter x 0.083" Round Steel Tubing	2.95	0.93
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.17	
			<i>For >500 To 1,000, Deduct</i>	-0.27	
			<i>For >1,000, Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	5.47	
			<i>For Aluminum, Add</i>	0.31	
			<i>For Galvanized Steel, Add</i>	1.06	
			<i>For 304 Stainless Steel, Add</i>	4.87	
05 12 23 00-0762	LF		1-1/4" Diameter x 0.083" Round Steel Tubing	3.76	1.19
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000, Deduct</i>	-0.48	
			<i>For 316 Stainless Steel, Add</i>	6.98	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.35	
			<i>For 304 Stainless Steel, Add</i>	6.21	
05 12 23 00-0763	LF		1-1/2" Diameter x 0.083" Round Steel Tubing	4.55	1.44
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.26	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000, Deduct</i>	-0.58	
			<i>For 316 Stainless Steel, Add</i>	8.45	
			<i>For Aluminum, Add</i>	0.48	
			<i>For Galvanized Steel, Add</i>	1.64	
			<i>For 304 Stainless Steel, Add</i>	7.52	
05 12 23 00-0764	LF		2" Diameter x 0.083" Round Steel Tubing	6.17	1.94
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000, Deduct</i>	-0.79	
			<i>For 316 Stainless Steel, Add</i>	11.46	
			<i>For Aluminum, Add</i>	0.64	
			<i>For Galvanized Steel, Add</i>	2.22	
			<i>For 304 Stainless Steel, Add</i>	10.20	
05 12 23 00-0765	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	7.78	2.45
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.72	
			<i>For >1,000, Deduct</i>	-0.99	
			<i>For 316 Stainless Steel, Add</i>	14.43	
			<i>For Aluminum, Add</i>	0.81	
			<i>For Galvanized Steel, Add</i>	2.80	
			<i>For 304 Stainless Steel, Add</i>	12.85	
05 12 23 00-0766	LF		3" Diameter x 0.083" Round Steel Tubing	9.39	2.96
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	17.41	
			<i>For Aluminum, Add</i>	0.98	
			<i>For Galvanized Steel, Add</i>	3.37	
			<i>For 304 Stainless Steel, Add</i>	15.50	
05 12 23 00-0767	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	11.00	3.46
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000, Deduct</i>	-1.40	
			<i>For 316 Stainless Steel, Add</i>	20.42	
			<i>For Aluminum, Add</i>	1.15	
			<i>For Galvanized Steel, Add</i>	3.96	
			<i>For 304 Stainless Steel, Add</i>	18.18	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF		4" Diameter x 0.083" Round Steel Tubing.....	12.60	3.97
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.61	
			<i>For 316 Stainless Steel, Add</i>	23.39	
			<i>For Aluminum, Add</i>	1.32	
			<i>For Galvanized Steel, Add</i>	4.53	
			<i>For 304 Stainless Steel, Add</i>	20.83	
05 12 23 00-0769			0.125" Wall Thickness (05 12 23 00-0750)		
05 12 23 00-0770	LF		2" Diameter x 0.125" Round Steel Tubing.....	6.78	2.46
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.67	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For 316 Stainless Steel, Add</i>	11.23	
			<i>For Aluminum, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	2.18	
			<i>For 304 Stainless Steel, Add</i>	10.00	
05 12 23 00-0771	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	8.60	3.11
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.16	
			<i>For 316 Stainless Steel, Add</i>	14.24	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.76	
			<i>For 304 Stainless Steel, Add</i>	12.68	
05 12 23 00-0772	LF		3" Diameter x 0.125" Round Steel Tubing.....	10.39	3.76
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500 To 1,000, Deduct</i>	-1.02	
			<i>For >1,000, Deduct</i>	-1.41	
			<i>For 316 Stainless Steel, Add</i>	17.22	
			<i>For Aluminum, Add</i>	0.97	
			<i>For Galvanized Steel, Add</i>	3.34	
			<i>For 304 Stainless Steel, Add</i>	15.33	
05 12 23 00-0773	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	12.21	4.42
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500 To 1,000, Deduct</i>	-1.20	
			<i>For >1,000, Deduct</i>	-1.65	
			<i>For 316 Stainless Steel, Add</i>	20.22	
			<i>For Aluminum, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.92	
			<i>For 304 Stainless Steel, Add</i>	18.01	
05 12 23 00-0774	LF		4" Diameter x 0.125" Round Steel Tubing.....	14.01	5.07
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.38	
			<i>For >1,000, Deduct</i>	-1.90	
			<i>For 316 Stainless Steel, Add</i>	23.20	
			<i>For Aluminum, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	4.50	
			<i>For 304 Stainless Steel, Add</i>	20.66	
05 12 23 00-0775			Flat Steel Bar (05 12 23 00-0437)		
05 12 23 00-0776			1/8" Thick (05 12 23 00-0775)		
05 12 23 00-0777	LF		1/8" Thick x 1" Wide Flat Steel Bar	2.22	1.22
			<i>For 316 Stainless Steel, Add</i>	1.25	
			<i>For Aluminum, Add</i>	0.07	
			<i>For Galvanized Steel, Add</i>	0.24	
			<i>For 304 Stainless Steel, Add</i>	1.11	
05 12 23 00-0778	LF		1/8" Thick x 2" Wide Flat Steel Bar	3.40	1.83
			<i>For 316 Stainless Steel, Add</i>	2.08	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.40	
			<i>For 304 Stainless Steel, Add</i>	1.85	
05 12 23 00-0779	LF		1/8" Thick x 4" Wide Flat Steel Bar	5.05	2.58
			<i>For 316 Stainless Steel, Add</i>	3.81	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.74	
			<i>For 304 Stainless Steel, Add</i>	3.39	
05 12 23 00-0780	LF		1/8" Thick x 6" Wide Flat Steel Bar	6.85	3.50
			<i>For 316 Stainless Steel, Add</i>	5.12	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	0.99	
			<i>For 304 Stainless Steel, Add</i>	4.56	
05 12 23 00-0781			3/16" Thick (05 12 23 00-0775)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0782 LF 3/16" Thick x 1" Wide Flat Steel Bar	2.87	1.52
<i>For 316 Stainless Steel, Add</i>	1.92	
<i>For Aluminum, Add</i>	0.11	
<i>For Galvanized Steel, Add</i>	0.37	
<i>For 304 Stainless Steel, Add</i>	1.71	
05 12 23 00-0783 LF 3/16" Thick x 2" Wide Flat Steel Bar	4.44	2.27
<i>For 316 Stainless Steel, Add</i>	3.30	
<i>For Aluminum, Add</i>	0.19	
<i>For Galvanized Steel, Add</i>	0.64	
<i>For 304 Stainless Steel, Add</i>	2.94	
05 12 23 00-0784 LF 3/16" Thick x 4" Wide Flat Steel Bar	5.65	2.62
<i>For 316 Stainless Steel, Add</i>	5.57	
<i>For Aluminum, Add</i>	0.31	
<i>For Galvanized Steel, Add</i>	1.08	
<i>For 304 Stainless Steel, Add</i>	4.96	
05 12 23 00-0785 LF 3/16" Thick x 6" Wide Flat Steel Bar	7.84	3.62
<i>For 316 Stainless Steel, Add</i>	7.71	
<i>For Aluminum, Add</i>	0.43	
<i>For Galvanized Steel, Add</i>	1.49	
<i>For 304 Stainless Steel, Add</i>	6.87	
05 12 23 00-0786 1/4" Thick <small>(05 12 23 00-0775)</small>		
05 12 23 00-0787 LF 1/4" Thick x 1" Wide Flat Steel Bar	3.00	1.60
<i>For 316 Stainless Steel, Add</i>	1.89	
<i>For Aluminum, Add</i>	0.11	
<i>For Galvanized Steel, Add</i>	0.37	
<i>For 304 Stainless Steel, Add</i>	1.68	
05 12 23 00-0788 LF 1/4" Thick x 2" Wide Flat Steel Bar	4.79	2.41
<i>For 316 Stainless Steel, Add</i>	3.81	
<i>For Aluminum, Add</i>	0.21	
<i>For Galvanized Steel, Add</i>	0.74	
<i>For 304 Stainless Steel, Add</i>	3.39	
05 12 23 00-0789 LF 1/4" Thick x 4" Wide Flat Steel Bar	6.43	2.75
<i>For 316 Stainless Steel, Add</i>	7.39	
<i>For Aluminum, Add</i>	0.42	
<i>For Galvanized Steel, Add</i>	1.43	
<i>For 304 Stainless Steel, Add</i>	6.58	
05 12 23 00-0790 LF 1/4" Thick x 6" Wide Flat Steel Bar	9.38	4.06
<i>For 316 Stainless Steel, Add</i>	10.50	
<i>For Aluminum, Add</i>	0.59	
<i>For Galvanized Steel, Add</i>	2.03	
<i>For 304 Stainless Steel, Add</i>	9.35	
05 12 23 00-0791 3/8" Thick <small>(05 12 23 00-0775)</small>		
05 12 23 00-0792 LF 3/8" Thick x 1" Wide Flat Steel Bar	3.64	1.80
<i>For 316 Stainless Steel, Add</i>	2.98	
<i>For Aluminum, Add</i>	0.17	
<i>For Galvanized Steel, Add</i>	0.58	
<i>For 304 Stainless Steel, Add</i>	2.65	
05 12 23 00-0793 LF 3/8" Thick x 2" Wide Flat Steel Bar	5.77	2.70
<i>For 316 Stainless Steel, Add</i>	5.47	
<i>For Aluminum, Add</i>	0.31	
<i>For Galvanized Steel, Add</i>	1.06	
<i>For 304 Stainless Steel, Add</i>	4.87	
05 12 23 00-0794 LF 3/8" Thick x 4" Wide Flat Steel Bar	8.05	3.08
<i>For 316 Stainless Steel, Add</i>	10.94	
<i>For Aluminum, Add</i>	0.62	
<i>For Galvanized Steel, Add</i>	2.12	
<i>For 304 Stainless Steel, Add</i>	9.75	
05 12 23 00-0795 LF 3/8" Thick x 6" Wide Flat Steel Bar	11.67	4.57
<i>For 316 Stainless Steel, Add</i>	15.39	
<i>For Aluminum, Add</i>	0.87	
<i>For Galvanized Steel, Add</i>	2.98	
<i>For 304 Stainless Steel, Add</i>	13.71	
05 12 23 00-0796 1/2" Thick <small>(05 12 23 00-0775)</small>		
05 12 23 00-0797 LF 1/2" Thick x 1" Wide Flat Steel Bar	4.17	1.97
<i>For 316 Stainless Steel, Add</i>	3.81	
<i>For Aluminum, Add</i>	0.21	
<i>For Galvanized Steel, Add</i>	0.74	
<i>For 304 Stainless Steel, Add</i>	3.39	
05 12 23 00-0798 LF 1/2" Thick x 2" Wide Flat Steel Bar	6.65	2.98
<i>For 316 Stainless Steel, Add</i>	6.98	
<i>For Aluminum, Add</i>	0.39	
<i>For Galvanized Steel, Add</i>	1.35	
<i>For 304 Stainless Steel, Add</i>	6.21	
05 12 23 00-0799 LF 1/2" Thick x 4" Wide Flat Steel Bar	8.81	3.39
<i>For 316 Stainless Steel, Add</i>	11.90	
<i>For Aluminum, Add</i>	0.67	
<i>For Galvanized Steel, Add</i>	2.31	
<i>For 304 Stainless Steel, Add</i>	10.60	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0800	LF		1/2" Thick x 6" Wide Flat Steel Bar	14.97	5.02
			For 316 Stainless Steel, Add	23.74	
			For Aluminum, Add	1.34	
			For Galvanized Steel, Add	4.60	
			For 304 Stainless Steel, Add	21.15	
05 12 23 00-0801			Flat Steel Plate (05 12 23 00-0437)		
05 12 23 00-0802	SF		1/8" Thick Flat Steel Plate	10.68	5.25
			For 316 Stainless Steel, Add	8.96	
			For Aluminum, Add	0.50	
			For Galvanized Steel, Add	1.74	
			For 304 Stainless Steel, Add	7.98	
05 12 23 00-0803	SF		3/16" Thick Flat Steel Plate	11.66	5.43
			For 316 Stainless Steel, Add	11.20	
			For Aluminum, Add	0.63	
			For Galvanized Steel, Add	2.17	
			For 304 Stainless Steel, Add	9.98	
05 12 23 00-0804	SF		1/4" Thick Flat Steel Plate	13.61	6.09
			For 316 Stainless Steel, Add	14.27	
			For Aluminum, Add	0.80	
			For Galvanized Steel, Add	2.77	
			For 304 Stainless Steel, Add	12.71	
05 12 23 00-0805	SF		3/8" Thick Flat Steel Plate	17.30	6.85
			For 316 Stainless Steel, Add	22.43	
			For Aluminum, Add	1.26	
			For Galvanized Steel, Add	4.35	
			For 304 Stainless Steel, Add	19.98	
05 12 23 00-0806	SF		1/2" Thick Flat Steel Plate	20.04	7.54
			For 316 Stainless Steel, Add	27.94	
			For Aluminum, Add	1.57	
			For Galvanized Steel, Add	5.41	
			For 304 Stainless Steel, Add	24.88	
05 12 23 00-0807	SF		3/4" Thick Flat Steel Plate	30.51	9.34
			For 316 Stainless Steel, Add	52.38	
			For Aluminum, Add	2.95	
			For Galvanized Steel, Add	10.15	
			For 304 Stainless Steel, Add	46.65	
05 12 23 00-0808	SF		1" Thick Flat Steel Plate	40.09	11.66
			For 316 Stainless Steel, Add	71.71	
			For Aluminum, Add	4.03	
			For Galvanized Steel, Add	13.89	
			For 304 Stainless Steel, Add	63.87	
05 14 Structural Aluminum Framing (05 10)					
05 14 16 Structural Aluminum Framing (05 14)					
05 14 16 00-0001			Rolled Or Plate Shapes (05 14 16)		
			Note: 1" through 10" member.		
05 14 16 00-0002	LB		Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.60	4.01
05 14 16 00-0003	LB		Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.35	2.70
05 14 16 00-0004			Aluminum Extrusions (05 14 16)		
05 14 16 00-0005	LB		Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.79	2.70
05 14 16 00-0006	LB		Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	7.02	2.70
05 14 16 00-0007			Aluminum Tubing (05 14 16)		
05 14 16 00-0008	LB		Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	8.21	2.95
05 14 16 00-0009	LF		1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.80	4.79
05 14 16 00-0010	LF		1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	12.16	5.22
05 14 16 00-0011	LF		1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	14.12	6.10
05 14 16 00-0012	LF		2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.62	6.53
05 14 16 00-0013	LF		4" x 4" Aluminum Tubing, 1/4" Wall Thickness	28.35	8.27
05 14 16 00-0014	LF		2" x 5" Aluminum Tubing, 1/4" Wall Thickness	24.21	7.41
05 14 16 00-0015			Columns (05 14 16)		
			Note: Baked on paint finish, load bearing.		
05 14 16 00-0016			Round Columns (05 14 16 00-0015)		
05 14 16 00-0017	LF		6" Diameter Aluminum Column	22.08	5.64
05 14 16 00-0018	LF		8" Diameter Aluminum Column	29.32	8.09
05 14 16 00-0019	LF		10" Diameter Aluminum Column	34.76	9.09
05 14 16 00-0020	LF		12" Diameter Aluminum Column	46.78	9.51
05 14 16 00-0021	LF		15" Diameter Aluminum Column	58.27	11.03
05 14 16 00-0022	EA		6" Diameter Aluminum Base And Cap	41.14	10.53
05 14 16 00-0023	EA		8" Diameter Aluminum Base And Cap	46.21	11.37
05 14 16 00-0024	EA		10" Diameter Aluminum Base And Cap	56.11	12.64
05 14 16 00-0025	EA		12" Diameter Aluminum Base And Cap	86.21	13.48
05 14 16 00-0026	EA		15" Diameter Aluminum Base And Cap	124.42	14.74



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

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 00-0027 Octagonal Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0028 LF 6" Diameter Aluminum Column	23.02	5.64
05 14 16 00-0029 LF 8" Diameter Aluminum Column	31.95	8.09
05 14 16 00-0030 LF 10" Diameter Aluminum Column	38.07	9.09
05 14 16 00-0031 LF 12" Diameter Aluminum Column	52.34	9.51
05 14 16 00-0032 LF 15" Diameter Aluminum Column	65.53	11.03
05 14 16 00-0033 EA 6" Diameter Aluminum Base And Cap	45.15	10.53
05 14 16 00-0034 EA 8" Diameter Aluminum Base And Cap	50.91	11.37
05 14 16 00-0035 EA 10" Diameter Aluminum Base And Cap	62.28	12.64
05 14 16 00-0036 EA 12" Diameter Aluminum Base And Cap	98.07	13.48
05 14 16 00-0037 EA 15" Diameter Aluminum Base And Cap	143.41	14.74
05 14 16 00-0038 Fluted Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0039 LF 6" Diameter Aluminum Column	24.79	5.64
05 14 16 00-0040 LF 8" Diameter Aluminum Column	34.31	8.09
05 14 16 00-0041 LF 10" Diameter Aluminum Column	41.06	9.09
05 14 16 00-0042 LF 12" Diameter Aluminum Column	57.35	9.51
05 14 16 00-0043 LF 15" Diameter Aluminum Column	72.06	11.03
05 14 16 00-0044 EA 6" Diameter Aluminum Base And Cap	48.77	10.53
05 14 16 00-0045 EA 8" Diameter Aluminum Base And Cap	55.13	11.37
05 14 16 00-0046 EA 10" Diameter Aluminum Base And Cap	67.83	12.64
05 14 16 00-0047 EA 12" Diameter Aluminum Base And Cap	108.73	13.48
05 14 16 00-0048 EA 15" Diameter Aluminum Base And Cap	160.50	14.74
05 14 16 00-0049 Square Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0050 LF 6" Aluminum Column	26.01	5.64
05 14 16 00-0051 LF 8" Aluminum Column	35.92	8.09
05 14 16 00-0052 LF 10" Aluminum Column	43.10	9.09
05 14 16 00-0053 LF 12" Aluminum Column	60.77	9.51
05 14 16 00-0054 LF 15" Aluminum Column	76.53	11.03
05 14 16 00-0055 EA 6" Aluminum Base And Cap	51.24	10.53
05 14 16 00-0056 EA 8" Aluminum Base And Cap	58.02	11.37
05 14 16 00-0057 EA 10" Aluminum Base And Cap	71.63	12.64
05 14 16 00-0058 EA 12" Aluminum Base And Cap	116.03	13.48
05 14 16 00-0059 EA 15" Aluminum Base And Cap	172.19	14.74
05 14 16 00-0060 Ornamental Or Decorative Cap And Bases <small>(05 14 16 00-0015)</small>		
05 14 16 00-0061 EA 8" Corinthian Capital And Base	229.67	12.64
05 14 16 00-0062 EA 10" Corinthian Capital And Base	333.02	14.74
05 14 16 00-0063 EA 12" Corinthian Capital And Base	518.48	16.85
05 14 16 00-0064 EA 8" Scamozzi Capital And Base	122.23	12.64
05 14 16 00-0065 EA 10" Scamozzi Capital And Base	160.94	14.74
05 14 16 00-0066 EA 12" Scamozzi Capital And Base	307.27	16.85
05 15 Wire Rope Assemblies <small>(05 10)</small>		
05 15 16 Steel Wire Rope Assemblies <small>(05 15)</small>		
Note: IWRC = Independent Wire Rope Center; IPS = Improved Plow Steel; XIP = Extra Improved Plow Steel.		
05 15 16 00-0001 6x7 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0002 LF 1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.31	0.06
For 7x7 Strand Core, Add	0.01	
For <100, Add	0.08	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.02	
For >2,000, Deduct	-0.03	
05 15 16 00-0003 LF 3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.35	0.07
For 7x7 Strand Core, Add	0.01	
For <100, Add	0.09	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.03	
For >2,000, Deduct	-0.04	
05 15 16 00-0004 LF 1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.47	0.08
For 7x7 Strand Core, Add	0.02	
For <100, Add	0.13	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.04	
For >2,000, Deduct	-0.05	
05 15 16 00-0005 LF 5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.51	0.09
For 7x7 Strand Core, Add	0.02	
For <100, Add	0.14	
For >500 To 1,000, Deduct	-0.03	
For >1,000 To 2,000, Deduct	-0.04	
For >2,000, Deduct	-0.05	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0006	LF		3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.73	0.09
			For 7x7 Strand Core, Add	0.03	
			For <100, Add	0.21	
			For >500 To 1,000, Deduct	-0.04	
			For >1,000 To 2,000, Deduct	-0.05	
			For >2,000, Deduct	-0.07	
05 15 16 00-0007	LF		1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.95	0.09
			For 7x7 Strand Core, Add	0.04	
			For <100, Add	0.29	
			For >500 To 1,000, Deduct	-0.05	
			For >1,000 To 2,000, Deduct	-0.07	
			For >2,000, Deduct	-0.10	
05 15 16 00-0008	LF		5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.20	0.09
			For 7x7 Strand Core, Add	0.05	
			For <100, Add	0.37	
			For >500 To 1,000, Deduct	-0.06	
			For >1,000 To 2,000, Deduct	-0.09	
			For >2,000, Deduct	-0.12	
05 15 16 00-0009	LF		3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.51	0.09
			For 7x7 Strand Core, Add	0.06	
			For <100, Add	0.46	
			For >500 To 1,000, Deduct	-0.08	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.15	
05 15 16 00-0010	LF		7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.87	0.17
			For 7x7 Strand Core, Add	0.07	
			For <100, Add	0.55	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.14	
			For >2,000, Deduct	-0.19	
05 15 16 00-0011	LF		1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	2.21	0.17
			For 7x7 Strand Core, Add	0.08	
			For <100, Add	0.64	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.17	
			For >2,000, Deduct	-0.22	
05 15 16 00-0012	LF		9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	2.69	0.26
			For 7x7 Strand Core, Add	0.09	
			For <100, Add	0.77	
			For >500 To 1,000, Deduct	-0.13	
			For >1,000 To 2,000, Deduct	-0.20	
			For >2,000, Deduct	-0.27	
05 15 16 00-0013	LF		5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	3.10	0.35
			For 7x7 Strand Core, Add	0.10	
			For <100, Add	0.88	
			For >500 To 1,000, Deduct	-0.16	
			For >1,000 To 2,000, Deduct	-0.23	
			For >2,000, Deduct	-0.31	
05 15 16 00-0014	LF		3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	4.17	0.43
			For 7x7 Strand Core, Add	0.14	
			For <100, Add	1.17	
			For >500 To 1,000, Deduct	-0.21	
			For >1,000 To 2,000, Deduct	-0.31	
			For >2,000, Deduct	-0.42	
05 15 16 00-0015			8x19 Class Bright, IPS, Fiber Core (05 15 16)		
05 15 16 00-0016	LF		3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	1.05	0.09
			For <100, Add	0.32	
			For >500 To 1,000, Deduct	-0.05	
			For >1,000 To 2,000, Deduct	-0.08	
			For >2,000, Deduct	-0.11	
05 15 16 00-0017	LF		1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	1.56	0.09
			For <100, Add	0.50	
			For >500 To 1,000, Deduct	-0.08	
			For >1,000 To 2,000, Deduct	-0.12	
			For >2,000, Deduct	-0.16	
05 15 16 00-0018	LF		5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	1.80	0.09
			For <100, Add	0.58	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.14	
			For >2,000, Deduct	-0.18	
05 15 16 00-0019	LF		3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	2.10	0.09
			For <100, Add	0.66	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.16	
			For >2,000, Deduct	-0.21	
05 15 16 00-0020	LF		7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	2.50	0.17
			For <100, Add	0.77	
			For >500 To 1,000, Deduct	-0.13	
			For >1,000 To 2,000, Deduct	-0.19	
			For >2,000, Deduct	-0.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0021 LF 1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	2.88	0.17
<i>For <100, Add</i>	0.87	
<i>For >500 To 1,000, Deduct</i>	-0.14	
<i>For >1,000 To 2,000, Deduct</i>	-0.22	
<i>For >2,000, Deduct</i>	-0.29	
05 15 16 00-0022 LF 9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	3.40	0.26
<i>For <100, Add</i>	1.01	
<i>For >500 To 1,000, Deduct</i>	-0.17	
<i>For >1,000 To 2,000, Deduct</i>	-0.26	
<i>For >2,000, Deduct</i>	-0.34	
05 15 16 00-0023 LF 5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	4.10	0.35
<i>For <100, Add</i>	1.22	
<i>For >500 To 1,000, Deduct</i>	-0.21	
<i>For >1,000 To 2,000, Deduct</i>	-0.31	
<i>For >2,000, Deduct</i>	-0.41	
05 15 16 00-0024 LF 3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	5.73	0.43
<i>For <100, Add</i>	1.70	
<i>For >500 To 1,000, Deduct</i>	-0.29	
<i>For >1,000 To 2,000, Deduct</i>	-0.43	
<i>For >2,000, Deduct</i>	-0.57	
05 15 16 00-0025 LF 7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	7.62	0.61
<i>For <100, Add</i>	2.25	
<i>For >500 To 1,000, Deduct</i>	-0.38	
<i>For >1,000 To 2,000, Deduct</i>	-0.57	
<i>For >2,000, Deduct</i>	-0.76	
05 15 16 00-0026 LF 1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	9.58	0.88
<i>For <100, Add</i>	2.80	
<i>For >500 To 1,000, Deduct</i>	-0.48	
<i>For >1,000 To 2,000, Deduct</i>	-0.72	
<i>For >2,000, Deduct</i>	-0.96	
05 15 16 00-0027 LF 1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	7.05	1.05
<i>For <100, Add</i>	1.77	
<i>For >500 To 1,000, Deduct</i>	-0.35	
<i>For >1,000 To 2,000, Deduct</i>	-0.53	
<i>For >2,000, Deduct</i>	-0.71	
05 15 16 00-0028 LF 1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	14.47	1.31
<i>For <100, Add</i>	4.19	
<i>For >500 To 1,000, Deduct</i>	-0.72	
<i>For >1,000 To 2,000, Deduct</i>	-1.09	
<i>For >2,000, Deduct</i>	-1.45	
05 15 16 00-0029 LF 1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	17.39	1.57
<i>For <100, Add</i>	5.05	
<i>For >500 To 1,000, Deduct</i>	-0.87	
<i>For >1,000 To 2,000, Deduct</i>	-1.30	
<i>For >2,000, Deduct</i>	-1.74	
05 15 16 00-0030 LF 1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	20.67	1.91
<i>For <100, Add</i>	5.99	
<i>For >500 To 1,000, Deduct</i>	-1.03	
<i>For >1,000 To 2,000, Deduct</i>	-1.55	
<i>For >2,000, Deduct</i>	-2.07	
05 15 16 00-0031 6x19 Class Bright, IPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0032 LF 1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	1.48	0.09
<i>For <100, Add</i>	0.48	
<i>For >500 To 1,000, Deduct</i>	-0.07	
<i>For >1,000 To 2,000, Deduct</i>	-0.11	
<i>For >2,000, Deduct</i>	-0.15	
<i>For 7x19 Strand Core, Add</i>	0.26	
<i>For Heavy Duty IWRC Rating, Add</i>	0.32	
<i>For 7x19 Galvanized, Add</i>	0.70	
05 15 16 00-0033 LF 5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	1.75	0.09
<i>For <100, Add</i>	0.55	
<i>For >500 To 1,000, Deduct</i>	-0.09	
<i>For >1,000 To 2,000, Deduct</i>	-0.13	
<i>For >2,000, Deduct</i>	-0.18	
<i>For 7x19 Strand Core, Add</i>	0.29	
<i>For Heavy Duty IWRC Rating, Add</i>	0.36	
<i>For 7x19 Galvanized, Add</i>	0.79	
05 15 16 00-0034 LF 3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.11	0.17
<i>For <100, Add</i>	0.65	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.16	
<i>For >2,000, Deduct</i>	-0.21	
<i>For 7x19 Strand Core, Add</i>	0.33	
<i>For Heavy Duty IWRC Rating, Add</i>	0.42	
<i>For 7x19 Galvanized, Add</i>	0.91	
05 15 16 00-0035 LF 7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.49	0.17
<i>For <100, Add</i>	0.75	
<i>For >500 To 1,000, Deduct</i>	-0.12	
<i>For >1,000 To 2,000, Deduct</i>	-0.19	
<i>For >2,000, Deduct</i>	-0.25	
<i>For 7x19 Strand Core, Add</i>	0.38	
<i>For Heavy Duty IWRC Rating, Add</i>	0.47	
<i>For 7x19 Galvanized, Add</i>	1.03	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0036 LF 1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	2.92	0.26
For <100, Add	0.86	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.22	
For >2,000, Deduct	-0.29	
For 7x19 Strand Core, Add	0.42	
For Heavy Duty IWRC Rating, Add	0.53	
For 7x19 Galvanized, Add	1.16	
05 15 16 00-0037 LF 9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.45	0.35
For <100, Add	1.00	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000, Deduct	-0.35	
For 7x19 Strand Core, Add	0.48	
For Heavy Duty IWRC Rating, Add	0.61	
For 7x19 Galvanized, Add	1.33	
05 15 16 00-0038 LF 5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	3.98	0.35
For <100, Add	1.14	
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 2,000, Deduct	-0.30	
For >2,000, Deduct	-0.40	
For 7x19 Strand Core, Add	0.54	
For Heavy Duty IWRC Rating, Add	0.68	
For 7x19 Galvanized, Add	1.49	
05 15 16 00-0039 LF 3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	5.63	0.61
For <100, Add	1.60	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.42	
For >2,000, Deduct	-0.56	
For 7x19 Strand Core, Add	0.76	
For Heavy Duty IWRC Rating, Add	0.95	
For 7x19 Galvanized, Add	2.09	
05 15 16 00-0040 LF 7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	7.44	0.69
For <100, Add	2.11	
For >500 To 1,000, Deduct	-0.37	
For >1,000 To 2,000, Deduct	-0.56	
For >2,000, Deduct	-0.74	
For 7x19 Strand Core, Add	0.99	
For Heavy Duty IWRC Rating, Add	1.24	
For 7x19 Galvanized, Add	2.72	
05 15 16 00-0041 LF 1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	9.38	0.96
For <100, Add	2.63	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.70	
For >2,000, Deduct	-0.94	
For 7x19 Strand Core, Add	1.22	
For Heavy Duty IWRC Rating, Add	1.52	
For 7x19 Galvanized, Add	3.35	
05 15 16 00-0042 LF 1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	11.61	1.22
For <100, Add	3.25	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-0.87	
For >2,000, Deduct	-1.16	
For 7x19 Strand Core, Add	1.51	
For Heavy Duty IWRC Rating, Add	1.88	
For 7x19 Galvanized, Add	4.14	
05 15 16 00-0043 LF 1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	13.85	1.48
For <100, Add	3.85	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.04	
For >2,000, Deduct	-1.39	
For 7x19 Strand Core, Add	1.77	
For Heavy Duty IWRC Rating, Add	2.22	
For 7x19 Galvanized, Add	4.88	
05 15 16 00-0044 LF 1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	16.80	1.83
For <100, Add	4.66	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.26	
For >2,000, Deduct	-1.68	
For 7x19 Strand Core, Add	2.14	
For Heavy Duty IWRC Rating, Add	2.67	
For 7x19 Galvanized, Add	5.88	
05 15 16 00-0045 LF 1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC	19.93	2.17
For <100, Add	5.52	
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 2,000, Deduct	-1.49	
For >2,000, Deduct	-1.99	
For 7x19 Strand Core, Add	2.53	
For Heavy Duty IWRC Rating, Add	3.17	
For 7x19 Galvanized, Add	6.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0046	LF		1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	23.71	2.53
			<i>For <100, Add</i>	6.60	
			<i>For >500 To 1,000, Deduct</i>	-1.19	
			<i>For >1,000 To 2,000, Deduct</i>	-1.78	
			<i>For >2,000, Deduct</i>	-2.37	
			<i>For 7x19 Strand Core, Add</i>	3.04	
			<i>For Heavy Duty IWRC Rating, Add</i>	3.81	
			<i>For 7x19 Galvanized, Add</i>	8.37	
05 15 16 00-0047	LF		1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	31.68	4.19
			<i>For <100, Add</i>	8.33	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000 To 2,000, Deduct</i>	-2.38	
			<i>For >2,000, Deduct</i>	-3.17	
			<i>For 7x19 Strand Core, Add</i>	3.57	
			<i>For Heavy Duty IWRC Rating, Add</i>	4.47	
			<i>For 7x19 Galvanized, Add</i>	9.83	
05 15 16 00-0048	LF		1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	36.40	4.74
			<i>For <100, Add</i>	9.57	
			<i>For >500 To 1,000, Deduct</i>	-1.82	
			<i>For >1,000 To 2,000, Deduct</i>	-2.73	
			<i>For >2,000, Deduct</i>	-3.64	
			<i>For 7x19 Strand Core, Add</i>	4.11	
			<i>For Heavy Duty IWRC Rating, Add</i>	5.14	
			<i>For 7x19 Galvanized, Add</i>	11.30	
05 15 16 00-0049	LF		2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	41.81	5.47
			<i>For <100, Add</i>	10.99	
			<i>For >500 To 1,000, Deduct</i>	-2.09	
			<i>For >1,000 To 2,000, Deduct</i>	-3.14	
			<i>For >2,000, Deduct</i>	-4.18	
			<i>For 7x19 Strand Core, Add</i>	4.72	
			<i>For Heavy Duty IWRC Rating, Add</i>	5.90	
			<i>For 7x19 Galvanized, Add</i>	12.97	
05 15 16 00-0050	LF		2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	47.09	6.11
			<i>For <100, Add</i>	12.43	
			<i>For >500 To 1,000, Deduct</i>	-2.35	
			<i>For >1,000 To 2,000, Deduct</i>	-3.53	
			<i>For >2,000, Deduct</i>	-4.71	
			<i>For 7x19 Strand Core, Add</i>	5.37	
			<i>For Heavy Duty IWRC Rating, Add</i>	6.71	
			<i>For 7x19 Galvanized, Add</i>	14.76	
05 15 16 00-0051	LF		2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	53.38	6.84
			<i>For <100, Add</i>	14.13	
			<i>For >500 To 1,000, Deduct</i>	-2.67	
			<i>For >1,000 To 2,000, Deduct</i>	-4.00	
			<i>For >2,000, Deduct</i>	-5.34	
			<i>For 7x19 Strand Core, Add</i>	6.12	
			<i>For Heavy Duty IWRC Rating, Add</i>	7.65	
			<i>For 7x19 Galvanized, Add</i>	16.83	
05 15 16 00-0052			6x37 Class Bright, IPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0053	LF		1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	1.86	0.09
			<i>For <100, Add</i>	0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.14	
			<i>For >2,000, Deduct</i>	-0.19	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0054	LF		5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.22	0.09
			<i>For <100, Add</i>	0.72	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.17	
			<i>For >2,000, Deduct</i>	-0.22	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0055	LF		3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.68	0.17
			<i>For <100, Add</i>	0.85	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.20	
			<i>For >2,000, Deduct</i>	-0.27	
			<i>For XIPS Wire, Add</i>	0.06	
05 15 16 00-0056	LF		7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.10	0.17
			<i>For <100, Add</i>	0.96	
			<i>For >500 To 1,000, Deduct</i>	-0.16	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	
			<i>For XIPS Wire, Add</i>	0.07	
05 15 16 00-0057	LF		1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.62	0.26
			<i>For <100, Add</i>	1.11	
			<i>For >500 To 1,000, Deduct</i>	-0.18	
			<i>For >1,000 To 2,000, Deduct</i>	-0.27	
			<i>For >2,000, Deduct</i>	-0.36	
			<i>For XIPS Wire, Add</i>	0.09	
05 15 16 00-0058	LF		9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.19	0.35
			<i>For <100, Add</i>	1.26	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000 To 2,000, Deduct</i>	-0.31	
			<i>For >2,000, Deduct</i>	-0.42	
			<i>For XIPS Wire, Add</i>	0.10	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0059	LF		5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	4.78	0.35
			For <100, Add	1.42	
			For >500 To 1,000, Deduct	-0.24	
			For >1,000 To 2,000, Deduct	-0.36	
			For >2,000, Deduct	-0.48	
			For XIPS Wire, Add	0.11	
05 15 16 00-0060	LF		3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	6.39	0.61
			For <100, Add	1.87	
			For >500 To 1,000, Deduct	-0.32	
			For >1,000 To 2,000, Deduct	-0.48	
			For >2,000, Deduct	-0.64	
			For XIPS Wire, Add	0.15	
05 15 16 00-0061	LF		7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	8.26	0.69
			For <100, Add	2.39	
			For >500 To 1,000, Deduct	-0.41	
			For >1,000 To 2,000, Deduct	-0.62	
			For >2,000, Deduct	-0.83	
			For XIPS Wire, Add	0.19	
05 15 16 00-0062	LF		1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	10.41	0.96
			For <100, Add	3.00	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000 To 2,000, Deduct	-0.78	
			For >2,000, Deduct	-1.04	
			For XIPS Wire, Add	0.24	
05 15 16 00-0063	LF		1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	12.92	1.22
			For <100, Add	3.69	
			For >500 To 1,000, Deduct	-0.65	
			For >1,000 To 2,000, Deduct	-0.97	
			For >2,000, Deduct	-1.29	
			For XIPS Wire, Add	0.30	
05 15 16 00-0064	LF		1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	15.41	1.48
			For <100, Add	4.40	
			For >500 To 1,000, Deduct	-0.77	
			For >1,000 To 2,000, Deduct	-1.16	
			For >2,000, Deduct	-1.54	
			For XIPS Wire, Add	0.36	
05 15 16 00-0065	LF		1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	18.27	1.83
			For <100, Add	5.17	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000 To 2,000, Deduct	-1.37	
			For >2,000, Deduct	-1.83	
			For XIPS Wire, Add	0.43	
05 15 16 00-0066	LF		1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	21.74	2.17
			For <100, Add	6.16	
			For >500 To 1,000, Deduct	-1.09	
			For >1,000 To 2,000, Deduct	-1.63	
			For >2,000, Deduct	-2.17	
			For XIPS Wire, Add	0.51	
05 15 16 00-0067	LF		1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	26.10	2.62
			For <100, Add	7.39	
			For >500 To 1,000, Deduct	-1.31	
			For >1,000 To 2,000, Deduct	-1.96	
			For >2,000, Deduct	-2.61	
			For XIPS Wire, Add	0.61	
05 15 16 00-0068	LF		1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	34.63	4.19
			For <100, Add	9.32	
			For >500 To 1,000, Deduct	-1.73	
			For >1,000 To 2,000, Deduct	-2.60	
			For >2,000, Deduct	-3.46	
			For XIPS Wire, Add	0.80	
05 15 16 00-0069	LF		1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	40.03	4.74
			For <100, Add	10.84	
			For >500 To 1,000, Deduct	-2.00	
			For >1,000 To 2,000, Deduct	-3.00	
			For >2,000, Deduct	-4.00	
			For XIPS Wire, Add	0.92	
05 15 16 00-0070	LF		2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	45.67	5.47
			For <100, Add	12.34	
			For >500 To 1,000, Deduct	-2.28	
			For >1,000 To 2,000, Deduct	-3.43	
			For >2,000, Deduct	-4.57	
			For XIPS Wire, Add	1.05	
05 15 16 00-0071	LF		2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	51.49	6.11
			For <100, Add	13.97	
			For >500 To 1,000, Deduct	-2.57	
			For >1,000 To 2,000, Deduct	-3.86	
			For >2,000, Deduct	-5.15	
			For XIPS Wire, Add	1.19	
05 15 16 00-0072	LF		2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC	58.10	6.84
			For <100, Add	15.78	
			For >500 To 1,000, Deduct	-2.91	
			For >1,000 To 2,000, Deduct	-4.36	
			For >2,000, Deduct	-5.81	
			For XIPS Wire, Add	1.34	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0073 6x19 And 6x37 Swaged Wire Rope (05 15 16)						
05 15 16 00-0074	LF			1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.10	0.35
				For <100, Add	1.56	
				For >500 To 1,000, Deduct	-0.26	
				For >1,000 To 2,000, Deduct	-0.38	
				For >2,000, Deduct	-0.51	
05 15 16 00-0075	LF			9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.73	0.35
				For <100, Add	1.76	
				For >500 To 1,000, Deduct	-0.29	
				For >1,000 To 2,000, Deduct	-0.43	
				For >2,000, Deduct	-0.57	
05 15 16 00-0076	LF			5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.08	0.43
				For <100, Add	2.18	
				For >500 To 1,000, Deduct	-0.35	
				For >1,000 To 2,000, Deduct	-0.53	
				For >2,000, Deduct	-0.71	
05 15 16 00-0077	LF			3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.74	0.69
				For <100, Add	2.63	
				For >500 To 1,000, Deduct	-0.44	
				For >1,000 To 2,000, Deduct	-0.66	
				For >2,000, Deduct	-0.87	
05 15 16 00-0078	LF			7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.88	0.88
				For <100, Add	3.23	
				For >500 To 1,000, Deduct	-0.54	
				For >1,000 To 2,000, Deduct	-0.82	
				For >2,000, Deduct	-1.09	
05 15 16 00-0079	LF			1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.47	1.14
				For <100, Add	3.94	
				For >500 To 1,000, Deduct	-0.67	
				For >1,000 To 2,000, Deduct	-1.01	
				For >2,000, Deduct	-1.35	
05 15 16 00-0080	LF			1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	16.94	1.48
				For <100, Add	4.95	
				For >500 To 1,000, Deduct	-0.85	
				For >1,000 To 2,000, Deduct	-1.27	
				For >2,000, Deduct	-1.69	
05 15 16 00-0081	LF			1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	20.25	1.83
				For <100, Add	5.88	
				For >500 To 1,000, Deduct	-1.01	
				For >1,000 To 2,000, Deduct	-1.52	
				For >2,000, Deduct	-2.03	
05 15 16 00-0082	LF			1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.78	2.17
				For <100, Add	6.86	
				For >500 To 1,000, Deduct	-1.19	
				For >1,000 To 2,000, Deduct	-1.78	
				For >2,000, Deduct	-2.38	
05 15 16 00-0083	LF			1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	31.99	3.65
				For <100, Add	8.77	
				For >500 To 1,000, Deduct	-1.60	
				For >1,000 To 2,000, Deduct	-2.40	
				For >2,000, Deduct	-3.20	
05 15 16 00-0084 Flattened Strand Wire Rope, IPS, Fiber Core (05 15 16)						
05 15 16 00-0085	LF			5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.55	0.35
				For <100, Add	2.05	
				For >500 To 1,000, Deduct	-0.33	
				For >1,000 To 2,000, Deduct	-0.49	
				For >2,000, Deduct	-0.66	
05 15 16 00-0086	LF			3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.87	0.52
				For <100, Add	2.75	
				For >500 To 1,000, Deduct	-0.44	
				For >1,000 To 2,000, Deduct	-0.67	
				For >2,000, Deduct	-0.89	
05 15 16 00-0087	LF			7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.23	0.69
				For <100, Add	3.45	
				For >500 To 1,000, Deduct	-0.56	
				For >1,000 To 2,000, Deduct	-0.84	
				For >2,000, Deduct	-1.12	
05 15 16 00-0088	LF			1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.76	0.96
				For <100, Add	4.19	
				For >500 To 1,000, Deduct	-0.69	
				For >1,000 To 2,000, Deduct	-1.03	
				For >2,000, Deduct	-1.38	
05 15 16 00-0089	LF			1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.68	1.22
				For <100, Add	5.04	
				For >500 To 1,000, Deduct	-0.83	
				For >1,000 To 2,000, Deduct	-1.25	
				For >2,000, Deduct	-1.67	
05 15 16 00-0090	LF			1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	20.19	1.48
				For <100, Add	6.08	
				For >500 To 1,000, Deduct	-1.01	
				For >1,000 To 2,000, Deduct	-1.51	
				For >2,000, Deduct	-2.02	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0091	LF		1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.35	1.74
			<i>For <100, Add</i>	7.34	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000 To 2,000, Deduct</i>	-1.83	
			<i>For >2,000, Deduct</i>	-2.44	
05 15 16 00-0092	LF		1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core	29.84	2.17
			<i>For <100, Add</i>	9.02	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000 To 2,000, Deduct</i>	-2.24	
			<i>For >2,000, Deduct</i>	-2.98	
05 15 16 00-0093	LF		1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	35.60	2.53
			<i>For <100, Add</i>	10.80	
			<i>For >500 To 1,000, Deduct</i>	-1.78	
			<i>For >1,000 To 2,000, Deduct</i>	-2.67	
			<i>For >2,000, Deduct</i>	-3.56	
05 15 16 00-0094	LF		1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	45.58	4.01
			<i>For <100, Add</i>	13.30	
			<i>For >500 To 1,000, Deduct</i>	-2.28	
			<i>For >1,000 To 2,000, Deduct</i>	-3.42	
			<i>For >2,000, Deduct</i>	-4.56	
05 15 16 00-0095			Flattened Strand Wire Rope, XIP, IWRC <small>(05 15 16)</small>		
05 15 16 00-0096	LF		5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	6.62	0.35
			<i>For <100, Add</i>	2.06	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.50	
			<i>For >2,000, Deduct</i>	-0.66	
05 15 16 00-0097	LF		3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	8.95	0.61
			<i>For <100, Add</i>	2.76	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000 To 2,000, Deduct</i>	-0.67	
			<i>For >2,000, Deduct</i>	-0.90	
05 15 16 00-0098	LF		7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	11.36	0.78
			<i>For <100, Add</i>	3.47	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000 To 2,000, Deduct</i>	-0.85	
			<i>For >2,000, Deduct</i>	-1.14	
05 15 16 00-0099	LF		1" Diameter Flattened Strand Wire Rope XIPS, IWRC	13.91	0.96
			<i>For <100, Add</i>	4.21	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000 To 2,000, Deduct</i>	-1.04	
			<i>For >2,000, Deduct</i>	-1.39	
05 15 16 00-0100	LF		1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	16.84	1.22
			<i>For <100, Add</i>	5.06	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000 To 2,000, Deduct</i>	-1.26	
			<i>For >2,000, Deduct</i>	-1.68	
05 15 16 00-0101	LF		1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	20.43	1.57
			<i>For <100, Add</i>	6.12	
			<i>For >500 To 1,000, Deduct</i>	-1.02	
			<i>For >1,000 To 2,000, Deduct</i>	-1.53	
			<i>For >2,000, Deduct</i>	-2.04	
05 15 16 00-0102	LF		1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	24.66	1.91
			<i>For <100, Add</i>	7.39	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000 To 2,000, Deduct</i>	-1.85	
			<i>For >2,000, Deduct</i>	-2.47	
05 15 16 00-0103	LF		1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC	30.14	2.26
			<i>For <100, Add</i>	9.07	
			<i>For >500 To 1,000, Deduct</i>	-1.51	
			<i>For >1,000 To 2,000, Deduct</i>	-2.26	
			<i>For >2,000, Deduct</i>	-3.01	
05 15 16 00-0104	LF		1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	39.46	3.65
			<i>For <100, Add</i>	11.38	
			<i>For >500 To 1,000, Deduct</i>	-1.97	
			<i>For >1,000 To 2,000, Deduct</i>	-2.96	
			<i>For >2,000, Deduct</i>	-3.95	
05 15 16 00-0105	LF		1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	46.91	4.38
			<i>For <100, Add</i>	13.50	
			<i>For >500 To 1,000, Deduct</i>	-2.35	
			<i>For >1,000 To 2,000, Deduct</i>	-3.52	
			<i>For >2,000, Deduct</i>	-4.69	
05 15 16 00-0106			5x19 Coated Wire Rope, Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0107	LF		9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	4.79	0.09
			<i>For <100, Add</i>	1.60	
			<i>For >500 To 1,000, Deduct</i>	-0.24	
			<i>For >1,000 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000, Deduct</i>	-0.48	
05 15 16 00-0108	LF		5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.39	0.17
			<i>For <100, Add</i>	1.79	
			<i>For >500 To 1,000, Deduct</i>	-0.27	
			<i>For >1,000 To 2,000, Deduct</i>	-0.40	
			<i>For >2,000, Deduct</i>	-0.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0109 LF 11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.86	0.17
<i>For <100, Add</i>	1.93	
<i>For >500 To 1,000, Deduct</i>	-0.29	
<i>For >1,000 To 2,000, Deduct</i>	-0.44	
<i>For >2,000, Deduct</i>	-0.59	
05 15 16 00-0110 LF 3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	6.50	0.17
<i>For <100, Add</i>	2.13	
<i>For >500 To 1,000, Deduct</i>	-0.33	
<i>For >1,000 To 2,000, Deduct</i>	-0.49	
<i>For >2,000, Deduct</i>	-0.65	
05 15 16 00-0111 LF 13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.19	0.26
<i>For <100, Add</i>	2.34	
<i>For >500 To 1,000, Deduct</i>	-0.36	
<i>For >1,000 To 2,000, Deduct</i>	-0.54	
<i>For >2,000, Deduct</i>	-0.72	
05 15 16 00-0112 LF 7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.82	0.35
<i>For <100, Add</i>	2.52	
<i>For >500 To 1,000, Deduct</i>	-0.39	
<i>For >1,000 To 2,000, Deduct</i>	-0.59	
<i>For >2,000, Deduct</i>	-0.78	
05 15 16 00-0113 LF 1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	9.49	0.43
<i>For <100, Add</i>	3.03	
<i>For >500 To 1,000, Deduct</i>	-0.47	
<i>For >1,000 To 2,000, Deduct</i>	-0.71	
<i>For >2,000, Deduct</i>	-0.95	
05 15 16 00-0114 LF 1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	11.66	0.61
<i>For <100, Add</i>	3.70	
<i>For >500 To 1,000, Deduct</i>	-0.58	
<i>For >1,000 To 2,000, Deduct</i>	-0.87	
<i>For >2,000, Deduct</i>	-1.17	
05 15 16 00-0115 LF 1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	13.74	0.69
<i>For <100, Add</i>	4.35	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.03	
<i>For >2,000, Deduct</i>	-1.37	
05 15 16 00-0116 LF 1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	16.44	0.88
<i>For <100, Add</i>	5.16	
<i>For >500 To 1,000, Deduct</i>	-0.82	
<i>For >1,000 To 2,000, Deduct</i>	-1.23	
<i>For >2,000, Deduct</i>	-1.64	
05 15 16 00-0117 LF 1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	19.29	1.14
<i>For <100, Add</i>	6.02	
<i>For >500 To 1,000, Deduct</i>	-0.96	
<i>For >1,000 To 2,000, Deduct</i>	-1.45	
<i>For >2,000, Deduct</i>	-1.93	
05 15 16 00-0118 LF 1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	22.72	1.39
<i>For <100, Add</i>	7.05	
<i>For >500 To 1,000, Deduct</i>	-1.14	
<i>For >1,000 To 2,000, Deduct</i>	-1.70	
<i>For >2,000, Deduct</i>	-2.27	
05 15 16 00-0119 LF 1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	27.14	1.65
<i>For <100, Add</i>	8.41	
<i>For >500 To 1,000, Deduct</i>	-1.36	
<i>For >1,000 To 2,000, Deduct</i>	-2.04	
<i>For >2,000, Deduct</i>	-2.71	
05 15 16 00-0120 19x7 Rotation Resistant Wire Rope, IPS <small>(05 15 16)</small>		
05 15 16 00-0121 LF 3/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.46	0.09
<i>For <100, Add</i>	0.47	
<i>For >500 To 1,000, Deduct</i>	-0.07	
<i>For >1,000 To 2,000, Deduct</i>	-0.11	
<i>For >2,000, Deduct</i>	-0.15	
05 15 16 00-0122 LF 1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.72	0.09
<i>For <100, Add</i>	0.56	
<i>For >500 To 1,000, Deduct</i>	-0.09	
<i>For >1,000 To 2,000, Deduct</i>	-0.13	
<i>For >2,000, Deduct</i>	-0.17	
05 15 16 00-0123 LF 5/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.16	0.09
<i>For <100, Add</i>	0.69	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.16	
<i>For >2,000, Deduct</i>	-0.22	
05 15 16 00-0124 LF 3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.41	0.17
<i>For <100, Add</i>	0.76	
<i>For >500 To 1,000, Deduct</i>	-0.12	
<i>For >1,000 To 2,000, Deduct</i>	-0.18	
<i>For >2,000, Deduct</i>	-0.24	
05 15 16 00-0125 LF 7/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.84	0.17
<i>For <100, Add</i>	0.87	
<i>For >500 To 1,000, Deduct</i>	-0.14	
<i>For >1,000 To 2,000, Deduct</i>	-0.21	
<i>For >2,000, Deduct</i>	-0.28	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0126 LF 1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.07	0.17
For <100, Add	0.95	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000, Deduct	-0.31	
05 15 16 00-0127 LF 9/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.76	0.35
For <100, Add	1.11	
For >500 To 1,000, Deduct	-0.19	
For >1,000 To 2,000, Deduct	-0.28	
For >2,000, Deduct	-0.38	
05 15 16 00-0128 LF 5/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	4.47	0.35
For <100, Add	1.31	
For >500 To 1,000, Deduct	-0.22	
For >1,000 To 2,000, Deduct	-0.34	
For >2,000, Deduct	-0.45	
05 15 16 00-0129 LF 3/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	6.50	0.52
For <100, Add	1.92	
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 2,000, Deduct	-0.49	
For >2,000, Deduct	-0.65	
05 15 16 00-0130 LF 7/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	8.45	0.69
For <100, Add	2.47	
For >500 To 1,000, Deduct	-0.42	
For >1,000 To 2,000, Deduct	-0.63	
For >2,000, Deduct	-0.85	
05 15 16 00-0131 LF 1" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	10.57	0.96
For <100, Add	3.07	
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 2,000, Deduct	-0.79	
For >2,000, Deduct	-1.06	
05 15 16 00-0132 LF 1-1/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	12.96	1.22
For <100, Add	3.72	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-0.97	
For >2,000, Deduct	-1.30	
05 15 16 00-0133 LF 1-1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	15.64	1.48
For <100, Add	4.48	
For >500 To 1,000, Deduct	-0.78	
For >1,000 To 2,000, Deduct	-1.17	
For >2,000, Deduct	-1.56	
05 15 16 00-0134 LF 1-3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	18.55	1.83
For <100, Add	5.29	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.39	
For >2,000, Deduct	-1.86	
05 15 16 00-0135 LF 1-1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	21.54	2.17
For <100, Add	6.12	
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 2,000, Deduct	-1.62	
For >2,000, Deduct	-2.15	
05 15 16 00-0136 8x19 Class Bright, Rotation Resistant, XIPS, IWRC (05 15 16)	2.56	0.17
05 15 16 00-0137 LF 3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright.....	2.56	0.17
For <100, Add	0.81	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.19	
For >2,000, Deduct	-0.26	
05 15 16 00-0138 LF 7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright.....	3.01	0.17
For <100, Add	0.93	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000, Deduct	-0.30	
05 15 16 00-0139 LF 1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright.....	3.47	0.26
For <100, Add	1.05	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000, Deduct	-0.35	
05 15 16 00-0140 LF 9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright.....	4.08	0.35
For <100, Add	1.22	
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 2,000, Deduct	-0.31	
For >2,000, Deduct	-0.41	
05 15 16 00-0141 LF 5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright.....	4.75	0.35
For <100, Add	1.41	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.36	
For >2,000, Deduct	-0.48	
05 15 16 00-0142 LF 3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright.....	6.73	0.61
For <100, Add	1.99	
For >500 To 1,000, Deduct	-0.34	
For >1,000 To 2,000, Deduct	-0.50	
For >2,000, Deduct	-0.67	



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

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0143	LF		7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	8.89	0.69
			For <100, Add	2.61	
			For >500 To 1,000, Deduct	-0.44	
			For >1,000 To 2,000, Deduct	-0.67	
			For >2,000, Deduct	-0.89	
05 15 16 00-0144	LF		1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	11.17	0.96
			For <100, Add	3.25	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000 To 2,000, Deduct	-0.84	
			For >2,000, Deduct	-1.12	
05 15 16 00-0145	LF		1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	13.63	1.22
			For <100, Add	3.94	
			For >500 To 1,000, Deduct	-0.68	
			For >1,000 To 2,000, Deduct	-1.02	
			For >2,000, Deduct	-1.36	
05 15 16 00-0146	LF		1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	16.29	1.48
			For <100, Add	4.68	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000 To 2,000, Deduct	-1.22	
			For >2,000, Deduct	-1.63	
05 15 16 00-0147	LF		1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	19.68	1.91
			For <100, Add	5.64	
			For >500 To 1,000, Deduct	-0.98	
			For >1,000 To 2,000, Deduct	-1.48	
			For >2,000, Deduct	-1.97	
05 15 16 00-0148	LF		1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.53	2.26
			For <100, Add	6.72	
			For >500 To 1,000, Deduct	-1.18	
			For >1,000 To 2,000, Deduct	-1.76	
			For >2,000, Deduct	-2.35	

05 15 16 00-0149 Heavy Duty Galvanized Wire Rope Thimbles (05 15 16)

05 15 16 00-0150	EA		1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.54	2.62
05 15 16 00-0151	EA		5/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.08	2.62
05 15 16 00-0152	EA		3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.69	2.62
05 15 16 00-0153	EA		7/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.19	2.62
05 15 16 00-0154	EA		1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.28	2.62
05 15 16 00-0155	EA		9/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.28	2.62
05 15 16 00-0156	EA		5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.79	2.62
05 15 16 00-0157	EA		3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	21.86	4.01
05 15 16 00-0158	EA		7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	26.13	4.88
05 15 16 00-0159	EA		1" Diameter Heavy Duty Galvanized Wire Rope Thimbles	44.86	8.01
05 15 16 00-0160	EA		1-1/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	63.15	10.89
05 15 16 00-0161	EA		1-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	65.48	10.89
05 15 16 00-0162	EA		1-3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	131.38	22.74
05 15 16 00-0163	EA		1-1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	188.26	32.67
05 15 16 00-0164	EA		1-5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	280.90	36.58
05 15 16 00-0165	EA		1-3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	331.53	43.55
05 15 16 00-0166	EA		1-7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	434.71	54.87
05 15 16 00-0167	EA		2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	453.60	54.87
05 15 16 00-0168	EA		2-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	653.68	87.11

05 15 16 00-0169 Galvanized Wire Rope Clips (05 15 16)

05 15 16 00-0170	EA		1/8" Diameter Galvanized Wire Rope Clips	11.29	2.62
05 15 16 00-0171	EA		3/16" Diameter Galvanized Wire Rope Clips	11.49	2.62
05 15 16 00-0172	EA		1/4" Diameter Galvanized Wire Rope Clips	12.63	2.62
05 15 16 00-0173	EA		5/16" Diameter Galvanized Wire Rope Clips	12.76	2.62
05 15 16 00-0174	EA		3/8" Diameter Galvanized Wire Rope Clips	13.05	2.62
05 15 16 00-0175	EA		7/16" Diameter Galvanized Wire Rope Clips	15.60	2.62
05 15 16 00-0176	EA		1/2" Diameter Galvanized Wire Rope Clips	15.60	2.62
05 15 16 00-0177	EA		9/16" Diameter Galvanized Wire Rope Clips	17.75	2.62
05 15 16 00-0178	EA		5/8" Diameter Galvanized Wire Rope Clips	17.75	2.62
05 15 16 00-0179	EA		3/4" Diameter Galvanized Wire Rope Clips	24.80	3.48
05 15 16 00-0180	EA		7/8" Diameter Galvanized Wire Rope Clips	37.55	5.22
05 15 16 00-0181	EA		1" Diameter Galvanized Wire Rope Clips	40.57	5.22
05 15 16 00-0182	EA		1-1/8" Diameter Galvanized Wire Rope Clips	48.65	6.96
05 15 16 00-0183	EA		1-1/4" Diameter Galvanized Wire Rope Clips	71.33	10.46
05 15 16 00-0184	EA		1-3/8" Diameter Galvanized Wire Rope Clips	86.17	11.32
05 15 16 00-0185	EA		1-1/2" Diameter Galvanized Wire Rope Clips	94.36	13.06
05 15 16 00-0186	EA		1-5/8" Diameter Galvanized Wire Rope Clips	138.03	16.55
05 15 16 00-0187	EA		1-3/4" Diameter Galvanized Wire Rope Clips	183.84	21.78
05 15 16 00-0188	EA		2" Diameter Galvanized Wire Rope Clips	224.26	28.74
05 15 16 00-0189	EA		2-1/4" Diameter Galvanized Wire Rope Clips	299.92	36.58
05 15 16 00-0190	EA		2-1/2" Diameter Galvanized Wire Rope Clips	333.56	40.07
05 15 16 00-0191	EA		2-3/4" Diameter Galvanized Wire Rope Clips	474.43	48.78
05 15 16 00-0192	EA		3" Diameter Galvanized Wire Rope Clips	636.47	72.29

05 15 16 00-0193 Open Swage Sockets (05 15 16)

05 15 16 00-0194	EA		1/4" Diameter Open Swage Sockets	50.76	2.62
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05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 15 16 00-0195	EA	5/16" Diameter Open Swage Sockets.....	62.15	2.62
05 15 16 00-0196	EA	3/8" Diameter Open Swage Sockets.....	65.61	3.48
05 15 16 00-0197	EA	7/16" Diameter Open Swage Sockets.....	79.28	4.36
05 15 16 00-0198	EA	1/2" Diameter Open Swage Sockets.....	79.28	4.36
05 15 16 00-0199	EA	9/16" Diameter Open Swage Sockets.....	122.61	9.58
05 15 16 00-0200	EA	5/8" Diameter Open Swage Sockets.....	122.61	9.58
05 15 16 00-0201	EA	3/4" Diameter Open Swage Sockets.....	167.43	18.30
05 15 16 00-0202	EA	7/8" Diameter Open Swage Sockets.....	227.63	26.13
05 15 16 00-0203	EA	1" Diameter Open Swage Sockets.....	326.73	40.07
05 15 16 00-0204	EA	1-1/8" Diameter Open Swage Sockets.....	450.35	62.71
05 15 16 00-0205	EA	1-1/4" Diameter Open Swage Sockets.....	525.16	72.29
05 15 16 00-0206	EA	1-3/8" Diameter Open Swage Sockets.....	703.43	95.81
05 15 16 00-0207	EA	1-1/2" Diameter Open Swage Sockets.....	1,011.98	121.95
05 15 16 00-0208	EA	1-3/4" Diameter Open Swage Sockets.....	1,494.12	148.08
05 15 16 00-0209	EA	2" Diameter Open Swage Sockets.....	2,542.12	287.45
05 15 16 00-0210 Closed Swage Sockets (05 15 16)				
05 15 16 00-0211	EA	1/4" Diameter Closed Swage Sockets.....	33.24	2.62
05 15 16 00-0212	EA	5/16" Diameter Closed Swage Sockets.....	43.52	2.62
05 15 16 00-0213	EA	3/8" Diameter Closed Swage Sockets.....	51.27	2.62
05 15 16 00-0214	EA	7/16" Diameter Closed Swage Sockets.....	55.00	3.48
05 15 16 00-0215	EA	1/2" Diameter Closed Swage Sockets.....	60.66	3.48
05 15 16 00-0216	EA	9/16" Diameter Closed Swage Sockets.....	79.77	6.10
05 15 16 00-0217	EA	5/8" Diameter Closed Swage Sockets.....	83.92	6.96
05 15 16 00-0218	EA	3/4" Diameter Closed Swage Sockets.....	107.77	11.32
05 15 16 00-0219	EA	7/8" Diameter Closed Swage Sockets.....	143.42	16.55
05 15 16 00-0220	EA	1" Diameter Closed Swage Sockets.....	205.14	22.64
05 15 16 00-0221	EA	1-1/8" Diameter Closed Swage Sockets.....	259.24	31.36
05 15 16 00-0222	EA	1-1/4" Diameter Closed Swage Sockets.....	363.33	48.78
05 15 16 00-0223	EA	1-3/8" Diameter Closed Swage Sockets.....	475.93	62.71
05 15 16 00-0224	EA	1-1/2" Diameter Closed Swage Sockets.....	656.27	87.11
05 15 16 00-0225	EA	1-3/4" Diameter Closed Swage Sockets.....	889.90	113.23
05 15 16 00-0226	EA	2" Diameter Closed Swage Sockets.....	1,582.08	174.21
05 15 16 00-0227 Open Spelter Sockets Galvanized (05 15 16)				
05 15 16 00-0228	EA	1/4" Open Spelter Sockets, Galvanized.....	48.09	2.62
05 15 16 00-0229	EA	5/16" Open Spelter Sockets, Galvanized.....	50.95	2.62
05 15 16 00-0230	EA	3/8" Open Spelter Sockets, Galvanized.....	55.31	2.62
05 15 16 00-0231	EA	7/16" Open Spelter Sockets, Galvanized.....	61.55	5.22
05 15 16 00-0232	EA	1/2" Open Spelter Sockets, Galvanized.....	66.15	5.22
05 15 16 00-0233	EA	9/16" Open Spelter Sockets, Galvanized.....	86.29	8.71
05 15 16 00-0234	EA	5/8" Open Spelter Sockets, Galvanized.....	91.93	8.71
05 15 16 00-0235	EA	3/4" Open Spelter Sockets, Galvanized.....	115.11	13.06
05 15 16 00-0236	EA	7/8" Open Spelter Sockets, Galvanized.....	177.23	21.78
05 15 16 00-0237	EA	1" Open Spelter Sockets, Galvanized.....	305.76	33.97
05 15 16 00-0238	EA	1-1/8" Open Spelter Sockets, Galvanized.....	398.84	54.87
05 15 16 00-0239	EA	1-1/4" Open Spelter Sockets, Galvanized.....	535.69	72.29
05 15 16 00-0240	EA	1-3/8" Open Spelter Sockets, Galvanized.....	562.76	72.29
05 15 16 00-0241	EA	1-1/2" Open Spelter Sockets, Galvanized.....	908.91	95.81
05 15 16 00-0242	EA	1-5/8" Open Spelter Sockets, Galvanized.....	1,084.95	121.95
05 15 16 00-0243	EA	1-3/4" Open Spelter Sockets, Galvanized.....	1,642.35	191.62
05 15 16 00-0244	EA	1-7/8" Open Spelter Sockets, Galvanized.....	1,739.51	191.62
05 15 16 00-0245	EA	2" Open Spelter Sockets, Galvanized.....	2,183.70	287.45
05 15 16 00-0246	EA	2-1/8" Open Spelter Sockets, Galvanized.....	2,295.49	287.45
05 15 16 00-0247	EA	2-1/2" Open Spelter Sockets, Galvanized.....	2,835.54	365.84
05 15 16 00-0248	EA	2-3/8" Open Spelter Sockets, Galvanized.....	2,987.86	365.84
05 15 16 00-0249 Closed Spelter Sockets Galvanized (05 15 16)				
05 15 16 00-0250	EA	1/4" Closed Spelter Sockets, Galvanized.....	41.14	2.62
05 15 16 00-0251	EA	5/16" Closed Spelter Sockets, Galvanized.....	41.59	2.62
05 15 16 00-0252	EA	3/8" Closed Spelter Sockets, Galvanized.....	45.17	2.62
05 15 16 00-0253	EA	7/16" Closed Spelter Sockets, Galvanized.....	50.31	4.36
05 15 16 00-0254	EA	1/2" Closed Spelter Sockets, Galvanized.....	54.09	4.36
05 15 16 00-0255	EA	9/16" Closed Spelter Sockets, Galvanized.....	75.59	7.84
05 15 16 00-0256	EA	5/8" Closed Spelter Sockets, Galvanized.....	80.63	7.84
05 15 16 00-0257	EA	3/4" Closed Spelter Sockets, Galvanized.....	98.27	11.32
05 15 16 00-0258	EA	7/8" Closed Spelter Sockets, Galvanized.....	145.50	17.42
05 15 16 00-0259	EA	1" Closed Spelter Sockets, Galvanized.....	221.60	27.00
05 15 16 00-0260	EA	1-1/8" Closed Spelter Sockets, Galvanized.....	309.24	36.58
05 15 16 00-0261	EA	1-1/4" Closed Spelter Sockets, Galvanized.....	373.99	48.78
05 15 16 00-0262	EA	1-3/8" Closed Spelter Sockets, Galvanized.....	393.99	48.78
05 15 16 00-0263	EA	1-1/2" Closed Spelter Sockets, Galvanized.....	636.53	62.71
05 15 16 00-0264	EA	1-5/8" Closed Spelter Sockets, Galvanized.....	755.11	79.27
05 15 16 00-0265	EA	1-3/4" Closed Spelter Sockets, Galvanized.....	1,001.54	121.95
05 15 16 00-0266	EA	1-7/8" Closed Spelter Sockets, Galvanized.....	1,057.79	121.95
05 15 16 00-0267	EA	2" Closed Spelter Sockets, Galvanized.....	1,318.39	174.21
05 15 16 00-0268	EA	2-1/8" Closed Spelter Sockets, Galvanized.....	1,386.89	174.21
05 15 16 00-0269	EA	2-1/2" Closed Spelter Sockets, Galvanized.....	1,708.59	235.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0270 EA 2-3/8" Closed Spelter Sockets, Galvanized	2,063.56	235.18
05 15 16 00-0271 Jaw And Jaw, Forged Steel Turnbuckles (05 15 16)		
05 15 16 00-0272 EA 1/4" x 4", Jaw And Jaw, Forged Steel Turnbuckle	17.31	2.62
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.29	
05 15 16 00-0273 EA 5/16" x 4-1/2", Jaw And Jaw, Forged Steel Turnbuckle	18.84	2.62
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.52	
05 15 16 00-0274 EA 3/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	24.70	2.62
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.40	
05 15 16 00-0275 EA 1/2" x 6", Jaw And Jaw, Forged Steel Turnbuckle	33.82	3.48
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.88	
05 15 16 00-0276 EA 1/2" x 9", Jaw And Jaw, Forged Steel Turnbuckle	38.59	4.36
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-3.07	
05 15 16 00-0277 EA 1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle	50.96	5.22
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.50	
05 15 16 00-0278 EA 5/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle	59.46	6.96
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.90	
05 15 16 00-0279 EA 5/8" x 9", Jaw And Jaw, Forged Steel Turnbuckle	72.90	6.96
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.58	
05 15 16 00-0280 EA 5/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle	70.04	7.84
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.84	
05 15 16 00-0281 EA 3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle	76.90	9.58
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.97	
05 15 16 00-0282 EA 3/4" x 9", Jaw And Jaw, Forged Steel Turnbuckle	91.03	11.32
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.78	
05 15 16 00-0283 EA 3/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle	98.37	12.20
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-7.29	
05 15 16 00-0284 EA 3/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle	123.15	14.80
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.46	
05 15 16 00-0285 EA 7/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle	186.44	20.90
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.52	
05 15 16 00-0286 EA 7/8" x 18", Jaw And Jaw, Forged Steel Turnbuckle	218.88	24.39
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-18.32	
05 15 16 00-0287 EA 1" x 6", Jaw And Jaw, Forged Steel Turnbuckle	195.28	20.90
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.85	
05 15 16 00-0288 EA 1" x 12", Jaw And Jaw, Forged Steel Turnbuckle	224.43	27.00
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.33	
05 15 16 00-0289 EA 1" x 18", Jaw And Jaw, Forged Steel Turnbuckle	278.09	33.97
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.61	
05 15 16 00-0290 EA 1" x 24", Jaw And Jaw, Forged Steel Turnbuckle	441.44	40.07
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-42.46	
05 15 16 00-0291 EA 1-1/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle	390.54	48.78
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-29.55	
05 15 16 00-0292 EA 1-1/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle	459.01	54.87
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.19	
05 15 16 00-0293 EA 1-1/4" x 24", Jaw And Jaw, Forged Steel Turnbuckle	590.25	62.71
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-51.21	
05 15 16 00-0294 EA 1-1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle	622.47	67.07
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-53.17	
05 15 16 00-0295 EA 1-1/2" x 18", Jaw And Jaw, Forged Steel Turnbuckle	724.67	87.11
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-56.44	
05 15 16 00-0296 EA 1-1/2" x 24", Jaw And Jaw, Forged Steel Turnbuckle	972.38	113.23
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-80.53	
05 15 16 00-0297 EA 2" x 24", Jaw And Jaw, Forged Steel Turnbuckle	1,970.94	217.76
For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-164.99	
05 15 16 00-0298 Drop Forged Shoulder Eye Bolts (05 15 16)		
05 15 16 00-0299 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	10.06	
05 15 16 00-0300 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	10.36	
05 15 16 00-0301 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	10.50	
05 15 16 00-0302 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	13.98	
05 15 16 00-0303 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	14.13	
05 15 16 00-0304 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	17.60	
05 15 16 00-0305 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	20.50	
05 15 16 00-0306 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	26.72	
05 15 16 00-0307 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	34.13	
05 15 16 00-0308 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	50.62	
05 15 16 00-0309 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	65.06	
05 15 16 00-0310 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	107.26	
05 15 16 00-0311 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	147.24	
05 15 16 00-0312 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	197.52	
05 15 16 00-0313 Drop Forged Eye Bolts (05 15 16)		
05 15 16 00-0314 EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	14.72	
05 15 16 00-0315 EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	16.14	
05 15 16 00-0316 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	13.61	
05 15 16 00-0317 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	16.74	
05 15 16 00-0318 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	14.98	
05 15 16 00-0319 EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	15.22	
05 15 16 00-0320 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	16.47	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 15 16 00-0321	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	17.39	
05 15 16 00-0322	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	18.01	
05 15 16 00-0323	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	18.59	
05 15 16 00-0324	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	14.19	
05 15 16 00-0325	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	17.73	
05 15 16 00-0326	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	18.16	
05 15 16 00-0327	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	19.30	
05 15 16 00-0328	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	19.79	
05 15 16 00-0329	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	20.14	
05 15 16 00-0330	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	20.68	
05 15 16 00-0331	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	21.29	
05 15 16 00-0332	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	22.08	
05 15 16 00-0333	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	22.48	
05 15 16 00-0334	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	26.83	
05 15 16 00-0335	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	27.36	
05 15 16 00-0336	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	28.24	
05 15 16 00-0337	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	32.20	
05 15 16 00-0338	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	36.01	
05 15 16 00-0339	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	26.91	
05 15 16 00-0340	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	27.45	
05 15 16 00-0341	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	30.12	
05 15 16 00-0342	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	32.32	
05 15 16 00-0343	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	37.30	
05 15 16 00-0344	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	48.73	

05 15 19 Stainless-Steel Wire Rope Assemblies (05 15)**05 15 19 00-0001 7x7 Class 304 Stainless Steel** (05 15 19)

05 15 19 00-0002	LF	3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.33	0.06
		<i>For <100, Add</i>	0.09	
		<i>For >500 To 1,000, Deduct</i>	-0.02	
		<i>For >1,000 To 2,000, Deduct</i>	-0.02	
		<i>For >2,000, Deduct</i>	-0.03	
		<i>For 316 Stainless Steel, Add</i>	0.07	
05 15 19 00-0003	LF	1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.38	0.06
		<i>For <100, Add</i>	0.11	
		<i>For >500 To 1,000, Deduct</i>	-0.02	
		<i>For >1,000 To 2,000, Deduct</i>	-0.03	
		<i>For >2,000, Deduct</i>	-0.04	
		<i>For 316 Stainless Steel, Add</i>	0.09	
05 15 19 00-0004	LF	5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.46	0.07
		<i>For <100, Add</i>	0.14	
		<i>For >500 To 1,000, Deduct</i>	-0.02	
		<i>For >1,000 To 2,000, Deduct</i>	-0.03	
		<i>For >2,000, Deduct</i>	-0.05	
		<i>For 316 Stainless Steel, Add</i>	0.11	
05 15 19 00-0005	LF	3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.55	0.07
		<i>For <100, Add</i>	0.16	
		<i>For >500 To 1,000, Deduct</i>	-0.03	
		<i>For >1,000 To 2,000, Deduct</i>	-0.04	
		<i>For >2,000, Deduct</i>	-0.06	
		<i>For 316 Stainless Steel, Add</i>	0.14	
05 15 19 00-0006	LF	1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.71	0.08
		<i>For <100, Add</i>	0.21	
		<i>For >500 To 1,000, Deduct</i>	-0.04	
		<i>For >1,000 To 2,000, Deduct</i>	-0.05	
		<i>For >2,000, Deduct</i>	-0.07	
		<i>For 316 Stainless Steel, Add</i>	0.18	
05 15 19 00-0007	LF	5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.11	0.09
		<i>For <100, Add</i>	0.35	
		<i>For >500 To 1,000, Deduct</i>	-0.06	
		<i>For >1,000 To 2,000, Deduct</i>	-0.08	
		<i>For >2,000, Deduct</i>	-0.11	
		<i>For 316 Stainless Steel, Add</i>	0.31	
05 15 19 00-0008	LF	3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.26	0.09
		<i>For <100, Add</i>	0.40	
		<i>For >500 To 1,000, Deduct</i>	-0.06	
		<i>For >1,000 To 2,000, Deduct</i>	-0.09	
		<i>For >2,000, Deduct</i>	-0.13	
		<i>For 316 Stainless Steel, Add</i>	0.35	
05 15 19 00-0009	LF	1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.72	0.09
		<i>For <100, Add</i>	0.56	
		<i>For >500 To 1,000, Deduct</i>	-0.09	
		<i>For >1,000 To 2,000, Deduct</i>	-0.13	
		<i>For >2,000, Deduct</i>	-0.17	
		<i>For 316 Stainless Steel, Add</i>	0.51	
05 15 19 00-0010	LF	5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.16	0.09
		<i>For <100, Add</i>	0.70	
		<i>For >500 To 1,000, Deduct</i>	-0.11	
		<i>For >1,000 To 2,000, Deduct</i>	-0.16	
		<i>For >2,000, Deduct</i>	-0.22	
		<i>For 316 Stainless Steel, Add</i>	0.64	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0011	LF		3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.70	0.09
			<i>For <100, Add</i>	0.87	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000 To 2,000, Deduct</i>	-0.20	
			<i>For >2,000, Deduct</i>	-0.27	
			<i>For 316 Stainless Steel, Add</i>	0.80	
05 15 19 00-0012	LF		7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.30	0.17
			<i>For <100, Add</i>	1.06	
			<i>For >500 To 1,000, Deduct</i>	-0.17	
			<i>For >1,000 To 2,000, Deduct</i>	-0.25	
			<i>For >2,000, Deduct</i>	-0.33	
			<i>For 316 Stainless Steel, Add</i>	0.95	
05 15 19 00-0013	LF		1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.84	0.17
			<i>For <100, Add</i>	1.21	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 2,000, Deduct</i>	-0.29	
			<i>For >2,000, Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	1.08	
05 15 19 00-0014	LF		9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.61	0.26
			<i>For <100, Add</i>	1.45	
			<i>For >500 To 1,000, Deduct</i>	-0.23	
			<i>For >1,000 To 2,000, Deduct</i>	-0.35	
			<i>For >2,000, Deduct</i>	-0.46	
			<i>For 316 Stainless Steel, Add</i>	1.28	
05 15 19 00-0015	LF		5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	5.26	0.35
			<i>For <100, Add</i>	1.64	
			<i>For >500 To 1,000, Deduct</i>	-0.26	
			<i>For >1,000 To 2,000, Deduct</i>	-0.39	
			<i>For >2,000, Deduct</i>	-0.53	
			<i>For 316 Stainless Steel, Add</i>	1.44	
05 15 19 00-0016	LF		3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	6.99	0.43
			<i>For <100, Add</i>	2.15	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000 To 2,000, Deduct</i>	-0.52	
			<i>For >2,000, Deduct</i>	-0.70	
			<i>For 316 Stainless Steel, Add</i>	1.88	
05 15 19 00-0017			7x19 Class 304 Stainless Steel <small>(05 15 19)</small>		
05 15 19 00-0018	LF		1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope.....	2.80	0.09
			<i>For <100, Add</i>	0.94	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000 To 2,000, Deduct</i>	-0.21	
			<i>For >2,000, Deduct</i>	-0.28	
			<i>For 316 Stainless Steel, Add</i>	0.88	
05 15 19 00-0019	LF		5/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	3.24	0.09
			<i>For <100, Add</i>	1.07	
			<i>For >500 To 1,000, Deduct</i>	-0.16	
			<i>For >1,000 To 2,000, Deduct</i>	-0.24	
			<i>For >2,000, Deduct</i>	-0.32	
			<i>For 316 Stainless Steel, Add</i>	1.00	
05 15 19 00-0020	LF		3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	3.83	0.17
			<i>For <100, Add</i>	1.25	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 2,000, Deduct</i>	-0.29	
			<i>For >2,000, Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	1.15	
05 15 19 00-0021	LF		7/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.45	0.17
			<i>For <100, Add</i>	1.44	
			<i>For >500 To 1,000, Deduct</i>	-0.22	
			<i>For >1,000 To 2,000, Deduct</i>	-0.33	
			<i>For >2,000, Deduct</i>	-0.45	
			<i>For 316 Stainless Steel, Add</i>	1.31	
05 15 19 00-0022	LF		1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.10	0.26
			<i>For <100, Add</i>	1.62	
			<i>For >500 To 1,000, Deduct</i>	-0.26	
			<i>For >1,000 To 2,000, Deduct</i>	-0.38	
			<i>For >2,000, Deduct</i>	-0.51	
			<i>For 316 Stainless Steel, Add</i>	1.46	
05 15 19 00-0023	LF		9/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.98	0.35
			<i>For <100, Add</i>	1.89	
			<i>For >500 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000 To 2,000, Deduct</i>	-0.45	
			<i>For >2,000, Deduct</i>	-0.60	
			<i>For 316 Stainless Steel, Add</i>	1.68	
05 15 19 00-0024	LF		5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	6.80	0.35
			<i>For <100, Add</i>	2.13	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000 To 2,000, Deduct</i>	-0.51	
			<i>For >2,000, Deduct</i>	-0.68	
			<i>For 316 Stainless Steel, Add</i>	1.88	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0025	LF		3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	9.57	0.61
			For <100, Add	2.98	
			For >500 To 1,000, Deduct	-0.48	
			For >1,000 To 2,000, Deduct	-0.72	
			For >2,000, Deduct	-0.96	
			For 316 Stainless Steel, Add	2.63	
05 15 19 00-0026	LF		7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	12.58	0.69
			For <100, Add	3.91	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000 To 2,000, Deduct	-0.94	
			For >2,000, Deduct	-1.26	
			For 316 Stainless Steel, Add	3.43	
05 15 19 00-0027	LF		1" Diameter 7x19 Class Stainless Steel Wire Rope.....	15.72	0.96
			For <100, Add	4.84	
			For >500 To 1,000, Deduct	-0.79	
			For >1,000 To 2,000, Deduct	-1.18	
			For >2,000, Deduct	-1.57	
			For 316 Stainless Steel, Add	4.23	
05 15 19 00-0028	LF		1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	19.43	1.22
			For <100, Add	5.98	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000 To 2,000, Deduct	-1.46	
			For >2,000, Deduct	-1.94	
			For 316 Stainless Steel, Add	5.22	
05 15 19 00-0029	LF		1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	23.07	1.48
			For <100, Add	7.08	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000 To 2,000, Deduct	-1.73	
			For >2,000, Deduct	-2.31	
			For 316 Stainless Steel, Add	6.15	
05 15 19 00-0030	LF		1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	27.91	1.83
			For <100, Add	8.55	
			For >500 To 1,000, Deduct	-1.40	
			For >1,000 To 2,000, Deduct	-2.09	
			For >2,000, Deduct	-2.79	
			For 316 Stainless Steel, Add	7.41	
05 15 19 00-0031	LF		1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	33.09	2.17
			For <100, Add	10.13	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000 To 2,000, Deduct	-2.48	
			For >2,000, Deduct	-3.31	
			For 316 Stainless Steel, Add	8.78	
05 15 19 00-0032	LF		1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	39.52	2.53
			For <100, Add	12.13	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000 To 2,000, Deduct	-2.96	
			For >2,000, Deduct	-3.95	
			For 316 Stainless Steel, Add	10.55	
05 15 19 00-0033	LF		1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	50.24	4.19
			For <100, Add	14.82	
			For >500 To 1,000, Deduct	-2.51	
			For >1,000 To 2,000, Deduct	-3.77	
			For >2,000, Deduct	-5.02	
			For 316 Stainless Steel, Add	12.39	
05 15 19 00-0034	LF		1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	57.75	4.74
			For <100, Add	17.04	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000 To 2,000, Deduct	-4.33	
			For >2,000, Deduct	-5.78	
			For 316 Stainless Steel, Add	14.25	
05 15 19 00-0035	LF		2" Diameter 7x19 Class Stainless Steel Wire Rope.....	66.31	5.47
			For <100, Add	19.56	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000 To 2,000, Deduct	-4.97	
			For >2,000, Deduct	-6.63	
			For 316 Stainless Steel, Add	16.35	
05 15 19 00-0036	LF		2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	74.98	6.11
			For <100, Add	22.19	
			For >500 To 1,000, Deduct	-3.75	
			For >1,000 To 2,000, Deduct	-5.62	
			For >2,000, Deduct	-7.50	
			For 316 Stainless Steel, Add	18.60	
05 15 19 00-0037	LF		2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	85.17	6.84
			For <100, Add	25.25	
			For >500 To 1,000, Deduct	-4.26	
			For >1,000 To 2,000, Deduct	-6.39	
			For >2,000, Deduct	-8.52	
			For 316 Stainless Steel, Add	21.21	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

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



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
footage.		
05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <small>(05 41)</small>		
05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	2.77	0.69
For Walls >10' High, Add	0.55	
For Curved Wall, Add	0.49	
For Up To 200, Add	0.88	
For >200 To 500, Add	0.44	
For 12" On Center, Add	0.47	
For 24" On Center, Deduct	-0.47	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.55	0.69
For Walls >10' High, Add	0.71	
For Curved Wall, Add	0.51	
For Up To 200, Add	1.05	
For >200 To 500, Add	0.53	
For 12" On Center, Add	0.63	
For 24" On Center, Deduct	-0.63	
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.70	0.69
For Walls >10' High, Add	0.74	
For Curved Wall, Add	0.53	
For Up To 200, Add	1.09	
For >200 To 500, Add	0.55	
For 12" On Center, Add	0.65	
For 24" On Center, Deduct	-0.65	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.64	0.77
For Walls >10' High, Add	0.93	
For Curved Wall, Add	0.56	
For Up To 200, Add	1.30	
For >200 To 500, Add	0.65	
For 12" On Center, Add	0.84	
For 24" On Center, Deduct	-0.84	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.15	0.84
For Walls >10' High, Add	1.03	
For Curved Wall, Add	0.58	
For Up To 200, Add	1.41	
For >200 To 500, Add	0.71	
For 12" On Center, Add	0.93	
For 24" On Center, Deduct	-0.93	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <small>(05 41)</small>		
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.43	0.69
For Walls >10' High, Add	0.69	
For Curved Wall, Add	0.51	
For Up To 200, Add	1.03	
For >200 To 500, Add	0.51	
For 12" On Center, Add	0.60	
For 24" On Center, Deduct	-0.60	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.94	0.70
For Walls >10' High, Add	0.79	
For Curved Wall, Add	0.54	
For Up To 200, Add	1.15	
For >200 To 500, Add	0.57	
For 12" On Center, Add	0.70	
For 24" On Center, Deduct	-0.70	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.15	0.70
For Walls >10' High, Add	0.83	
For Curved Wall, Add	0.56	
For Up To 200, Add	1.20	
For >200 To 500, Add	0.60	
For 12" On Center, Add	0.74	
For 24" On Center, Deduct	-0.74	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.17	0.84
For Walls >10' High, Add	1.03	
For Curved Wall, Add	0.59	
For Up To 200, Add	1.42	
For >200 To 500, Add	0.71	
For 12" On Center, Add	0.94	
For 24" On Center, Deduct	-0.94	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.67	0.92
For Walls >10' High, Add	1.13	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.54	
For >200 To 500, Add	0.77	
For 12" On Center, Add	1.03	
For 24" On Center, Deduct	-1.03	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <small>(05 41)</small>		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.67	0.96
For Walls >10' High, Add	0.93	
For Curved Wall, Add	0.64	
For Up To 200, Add	1.36	
For >200 To 500, Add	0.68	
For 12" On Center, Add	0.83	
For 24" On Center, Deduct	-0.83	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.80	0.98
For Walls >10' High, Add	0.96	
For Curved Wall, Add	0.65	
For Up To 200, Add	1.40	
For >200 To 500, Add	0.70	
For 12" On Center, Add	0.85	
For 24" On Center, Deduct	-0.85	
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.93	1.04
For Walls >10' High, Add	1.19	
For Curved Wall, Add	0.68	
For Up To 200, Add	1.64	
For >200 To 500, Add	0.82	
For 12" On Center, Add	1.07	
For 24" On Center, Deduct	-1.07	
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.50	1.08
For Walls >10' High, Add	1.30	
For Curved Wall, Add	0.72	
For Up To 200, Add	1.78	
For >200 To 500, Add	0.89	
For 12" On Center, Add	1.18	
For 24" On Center, Deduct	-1.18	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 33 Cold-Formed Metal Joist Framing (05 42)****05 42 33 00-0001 Steel Joists, 20 Gauge (05 42 33)**

05 42 33 00-0002 LF 5-1/2" - 20 Gauge Steel Joists	6.55	1.66
05 42 33 00-0003 LF 6" - 20 Gauge Steel Joists.....	7.22	2.08
05 42 33 00-0004 LF 7-1/4" - 20 Gauge Steel Joists	7.82	2.28
05 42 33 00-0005 LF 8" - 20 Gauge Steel Joists.....	8.73	2.42

05 42 33 00-0006 Steel Joists, 18 Gauge (05 42 33)

05 42 33 00-0007 LF 5-1/2" - 18 Gauge Steel Joists	7.30	1.84
05 42 33 00-0008 LF 6" - 18 Gauge Steel Joists.....	8.06	2.31
05 42 33 00-0009 LF 7-1/4" - 18 Gauge Steel Joists	8.74	2.53
05 42 33 00-0010 LF 8" - 18 Gauge Steel Joists.....	9.92	2.69

05 42 33 00-0011 Steel Joists, 16 Gauge (05 42 33)

05 42 33 00-0012 LF 7-1/4" - 16 Gauge Steel Joists	9.41	2.55
05 42 33 00-0013 LF 8" - 16 Gauge Steel Joists.....	9.93	2.69

05 42 33 00-0014 Steel Joists, 14 Gauge (05 42 33)

05 42 33 00-0015 LF 9-1/4" - 14 Gauge Steel Joists	11.13	2.69
05 42 33 00-0016 LF 11-1/2" - 14 Gauge Steel Joists	12.07	2.84

05 42 33 00-0017 Steel Joists, 12 Gauge (05 42 33)

05 42 33 00-0018 LF 9-1/4" - 12 Gauge Steel Joists	13.18	2.97
05 42 33 00-0019 LF 11-1/2" - 12 Gauge Steel Joists	14.39	3.13

05 42 33 00-0020 Steel Joists, 10 Gauge (05 42 33)

05 42 33 00-0021 LF 9-1/4" - 10 Gauge Steel Joists	15.28	3.27
05 42 33 00-0022 LF 11-1/2" - 10 Gauge Steel Joists	16.76	3.43

05 42 33 00-0023 Steel Joists, 8 Gauge (05 42 33)

05 42 33 00-0024 LF 9-1/4" - 8 Gauge Steel Joists	17.44	3.59
05 42 33 00-0025 LF 11-1/2" - 8 Gauge Steel Joists	19.17	3.78

05 43 Slotted Channel Framing (05 40)**05 43 00 00-0001 Unistrut Channel (05 43)****05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)**

05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.44	1.96
For Powder Coating, Add	0.68	
For Galvanizing, Add	0.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	8.66 0.71 0.80	1.96
05 43 00 00-0005	LF		1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel..... <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	9.00 0.76 0.86	1.96
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	8.01 0.61 0.69	1.96
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel..... <i>For Powder Coating, Add</i> <i>For Galvanizing, Add</i>	7.05 0.47 0.53	1.96
05 43 00 00-0008			Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009			304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	15.05	1.96
05 43 00 00-0011	LF		1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	17.76	1.96
05 43 00 00-0012	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	17.09	1.96
05 43 00 00-0013	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	21.28	1.96
05 43 00 00-0014			316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	23.85	1.96
05 43 00 00-0016			Unistrut Closure Strips (05 43)		
05 43 00 00-0017	LF		Raceway Closure Strip For Unistrut Channel	4.26	0.43
05 43 00 00-0018			Lock Nuts With Spring For Unistrut Channel (05 43)		
			Note: Includes hex bolt.		
05 43 00 00-0019			Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
			Note: Includes hex bolt.		
05 43 00 00-0020	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	5.67	
05 43 00 00-0021	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	6.13	
05 43 00 00-0022	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	6.48	
05 43 00 00-0023	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	8.36	
05 43 00 00-0024			Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
			Note: Includes hex bolt.		
05 43 00 00-0025	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	9.46	
05 43 00 00-0026	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	9.96	
05 43 00 00-0027	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	13.37	
05 43 00 00-0028	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.64	
05 43 00 00-0029			Lock Nuts Without Spring For Unistrut Channel (05 43)		
			Note: Includes hex bolt.		
05 43 00 00-0030			Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
			Note: Includes hex bolt.		
05 43 00 00-0031	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	5.68	
05 43 00 00-0032	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	6.20	
05 43 00 00-0033	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	6.51	
05 43 00 00-0034	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	8.91	
05 43 00 00-0035			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
			Note: Includes hex bolt.		
05 43 00 00-0036	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	7.27	
05 43 00 00-0037	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	8.41	
05 43 00 00-0038	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	9.01	
05 43 00 00-0039	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	21.12	
05 43 00 00-0040			Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0041	EA		Unistrut Beam Clamp, 1-5/8" Channel P2675.....	16.57	6.53
05 43 00 00-0042	EA		Unistrut Beam Clamp, 1-5/8" Channel P2676.....	19.84	6.53
05 43 00 00-0043	EA		Add For Unistrut Swivel Nut, P2676.....	1.78	
05 43 00 00-0044			Beam Clamp Clevis Hangers (05 43)		
05 43 00 00-0045	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	17.70	6.53
05 43 00 00-0046	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	20.31	6.53
05 43 00 00-0047	EA		Add For Unistrut Swivel Nut.....	1.78	
05 43 00 00-0048	EA		6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	96.36	8.71

05	05 Metals
	05 40 Cold-Formed Metal Framing
	05 45 Metal Support Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 45 Metal Support Assemblies (05 40)

05 45 16 Electrical Metal Supports (05 45)
See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05 51 Metal Stairs (05 50)

05 51 13 Metal Pan Stairs (05 51)
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	540.73	25.27
	<i>For Closed Riser, Add</i>	61.42	
05 51 13 00-0003	RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	615.24	29.48
	<i>For Closed Riser, Add</i>	69.78	
05 51 13 00-0004	RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	687.02	34.53
	<i>For Closed Riser, Add</i>	77.70	
05 51 13 00-0005	SF Concrete Filled Steel Pan Landing.....	72.82	4.21
	Note: Conventional shape.		

05 51 19 Metal Grating Stairs (05 51)
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)
Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR 3'-6" Wide Open Steel Grating Tread Metal Stair	272.51	33.69
	<i>For Closed Riser, Add</i>	31.72	
	<i>For Galvanized Steel, Add</i>	51.28	
05 51 19 00-0003	RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	292.38	38.75
	<i>For Closed Riser, Add</i>	33.75	
	<i>For Galvanized Steel, Add</i>	53.72	
05 51 19 00-0004	RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	325.40	45.49
	<i>For Closed Riser, Add</i>	37.30	
	<i>For Galvanized Steel, Add</i>	58.61	
05 51 19 00-0005	SF Steel Grating Landing With Framing And 2 Pipe Handrail	52.01	4.21
	Note: Conventional shape.		
	<i>For Galvanized Steel, Add</i>	8.79	

05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF 20" Wide Vertical Steel Ladder Primed	76.67	10.11
	<i>For Galvanized Steel, Add</i>	11.24	
	<i>For Aluminum, Add</i>	22.48	
05 51 33 13-0003	VLF 24" Wide Vertical Steel Ladder Primed	88.06	10.11
	<i>For Galvanized Steel, Add</i>	14.09	
	<i>For Aluminum, Add</i>	28.18	
05 51 33 13-0004	VLF 20" Wide Vertical Steel Caged Ladder Primed.....	184.29	16.85
	<i>For Galvanized Steel, Add</i>	32.65	
	<i>For Aluminum, Add</i>	65.30	
05 51 33 13-0005	VLF 24" Wide Vertical Steel Caged Ladder Primed.....	207.08	16.85
	<i>For Galvanized Steel, Add</i>	38.35	
	<i>For Aluminum, Add</i>	76.70	

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	206.73	31.58
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	<i>For Galvanized Steel, Add</i>	35.89	
	<i>For Aluminum, Add</i>	71.78	
05 51 33 13-0008	EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	225.71	33.69
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	<i>For Galvanized Steel, Add</i>	39.58	
	<i>For Aluminum, Add</i>	79.16	
05 51 33 13-0009	EA Security Cage Entry Gate With Lockable Hasp.....	284.94	10.53
05 51 33 13-0010	EA 6' Security Ladder Guard	636.16	63.18
05 51 33 13-0011	EA 8' Security Ladder Guard	759.60	73.71
05 51 33 13-0012	EA Safety Chain Attachment	113.96	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,180.90	126.35
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 51 33	13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,278.41	130.56
	05 51 33	13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,356.54	134.77
	05 51 33	13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,439.83	138.98
	05 51 33	13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,489.56	143.20
	05 51 33	13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,569.00	147.41
	05 51 33	13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,639.38	151.62
	05 51 33	13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,730.43	155.83
	05 51 33	13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,818.89	160.05
	05 51 33	13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,891.86	164.26
	05 51 33	13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,980.32	168.47
	05 51 33	13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,066.21	172.68
	05 51 33	13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,150.80	176.89
	05 51 33	13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,302.52	181.10
	05 51 33	13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,349.67	185.31
	05 51 33	13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,429.09	189.52
	05 51 33	13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,502.06	193.74
	05 51 33	13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,569.88	197.95
	05 51 33	13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,717.72	202.16
	05 51 33	13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,798.44	206.37
	05 51 33	13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,873.99	210.59
	05 51 33	13-0036		Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)		
	05 51 33	13-0037	EA	7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,707.40	126.35
	05 51 33	13-0038	EA	8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	2,889.58	130.56
	05 51 33	13-0039	EA	9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,191.29	134.77
	05 51 33	13-0040	EA	10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,341.42	138.98
	05 51 33	13-0041	EA	11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,468.14	143.20
	05 51 33	13-0042	EA	12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,635.53	147.41
	05 51 33	13-0043	EA	13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,934.77	151.62
	05 51 33	13-0044	EA	14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,087.38	155.83
	05 51 33	13-0045	EA	15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,244.90	160.05
	05 51 33	13-0046	EA	16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,417.21	164.26
	05 51 33	13-0047	EA	17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,722.61	168.47
	05 51 33	13-0048	EA	18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,876.45	172.68
	05 51 33	13-0049	EA	19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,022.89	176.89
	05 51 33	13-0050	EA	20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,264.22	181.10
	05 51 33	13-0051	EA	21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,535.12	185.31
	05 51 33	13-0052	EA	22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,686.48	189.52
	05 51 33	13-0053	EA	23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,841.54	193.74
	05 51 33	13-0054	EA	24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,986.75	197.95
	05 51 33	13-0055	EA	25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,356.23	202.16
	05 51 33	13-0056	EA	26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,501.45	206.37
	05 51 33	13-0057	EA	27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,650.35	210.59
	05 51 33	16		Inclined Metal Ladders (05 51 33)		
	05 51 33	16-0001		Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
				Note: Includes factory prime.		
	05 51 33	16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	207.00	42.12
				For Aluminum, Add	61.39	
	05 51 33	23		Alternating Tread Ladders (05 51 33)		
	05 51 33	23-0001		Vertical Ladders With Alternating Tread (05 51 33 23)		
	05 51 33	23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	1,336.61	126.35
				For Stainless Steel, Add	196.80	
				For Primed Steel, Deduct	-191.42	
	05 51 33	23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,520.08	133.93
				For Stainless Steel, Add	240.90	
				For Primed Steel, Deduct	-223.30	
	05 51 33	23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,671.62	133.93
				For Stainless Steel, Add	288.67	
				For Primed Steel, Deduct	-241.55	
	05 51 33	23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,924.08	168.30
				For Stainless Steel, Add	347.24	
				For Primed Steel, Deduct	-256.61	
	05 51 33	23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,101.33	174.26
				For Stainless Steel, Add	388.99	
				For Primed Steel, Deduct	-298.53	
	05 51 33	23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,235.23	174.26
				For Stainless Steel, Add	453.51	
				For Primed Steel, Deduct	-293.53	
	05 51 33	23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder.....	2,457.86	194.39
				For Stainless Steel, Add	497.40	
				For Primed Steel, Deduct	-327.55	
	05 51 33	23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder.....	2,607.88	194.39
				For Stainless Steel, Add	546.61	
				For Primed Steel, Deduct	-347.07	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder..... <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,724.61 623.99 -346.65	194.39
05 52 Metal Railings <small>(05 50)</small>				
05 52 13 Pipe And Tube Railings <small>(05 52)</small>				
Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).				
05 52 13 00-0001		Welded Steel Pipe Railing <small>(05 52 13)</small> Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002		One Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small> Note: Includes factory primed posts and one rail.		
05 52 13 00-0003	LF	1" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing..... <i>For Schedule 80 Handrail, Add</i> <i>For Additional Off Set Handrail, ADA Attachment, Add</i> <i>For Aluminum, Satin Finish, Add</i> <i>For Aluminum, Clear Anodized Finish, Add</i> <i>For Aluminum, Dark Anodized Finish, Add</i> <i>For Galvanizing, Add</i> <i>For Wrought Iron, Add</i> <i>For Solid Steel Rails, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For 2" Wheel Guard, Add</i> <i>For 4" High Kick Plate, Add</i> <i>For 6" High Kick Plate, Add</i> <i>For Curved Rail, Add</i> <i>For Mounting On Stairs, Add</i> <i>For Mounting On Slopes, Add</i> <i>For Post Base Flange With Screws, Add Per Post</i> <i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i> <i>For Custom Design Or Shapes (Square Tops, etc), Add</i> <i>For Nylon Coating, Add</i>	34.52 2.63 11.86 7.42 11.49 13.25 7.07 3.45 6.90 56.54 63.61 1.68 2.21 3.53 15.66 4.29 1.69 19.19 29.03 13.05 2.65	8.42
05 52 13 00-0004	LF	1-1/4" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing..... <i>For Schedule 80 Handrail, Add</i> <i>For Additional Off Set Handrail, ADA Attachment, Add</i> <i>For Aluminum, Satin Finish, Add</i> <i>For Aluminum, Clear Anodized Finish, Add</i> <i>For Aluminum, Dark Anodized Finish, Add</i> <i>For Galvanizing, Add</i> <i>For Wrought Iron, Add</i> <i>For Solid Steel Rails, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For 2" Wheel Guard, Add</i> <i>For 4" High Kick Plate, Add</i> <i>For 6" High Kick Plate, Add</i> <i>For Curved Rail, Add</i> <i>For Mounting On Stairs, Add</i> <i>For Mounting On Slopes, Add</i> <i>For Post Base Flange With Screws, Add Per Post</i> <i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i> <i>For Custom Design Or Shapes (Square Tops, etc), Add</i> <i>For Nylon Coating, Add</i>	37.57 3.72 11.86 8.70 13.47 15.54 8.29 3.76 7.51 66.30 74.59 1.97 2.59 4.14 17.49 4.60 1.69 19.19 29.03 14.57 3.11	8.42
05 52 13 00-0005	LF	1-1/2" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing..... <i>For Schedule 80 Handrail, Add</i> <i>For Additional Off Set Handrail, ADA Attachment, Add</i> <i>For Aluminum, Satin Finish, Add</i> <i>For Aluminum, Clear Anodized Finish, Add</i> <i>For Aluminum, Dark Anodized Finish, Add</i> <i>For Galvanizing, Add</i> <i>For Wrought Iron, Add</i> <i>For Solid Steel Rails, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For 2" Wheel Guard, Add</i> <i>For 4" High Kick Plate, Add</i> <i>For 6" High Kick Plate, Add</i> <i>For Curved Rail, Add</i> <i>For Mounting On Stairs, Add</i> <i>For Mounting On Slopes, Add</i> <i>For Post Base Flange With Screws, Add Per Post</i> <i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i> <i>For Custom Design Or Shapes (Square Tops, etc), Add</i> <i>For Nylon Coating, Add</i>	40.61 3.72 11.86 9.98 15.44 17.82 9.50 4.06 8.12 76.03 85.54 2.26 2.97 4.75 19.31 4.90 1.69 19.19 29.03 16.09 3.56	8.42



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006 LF 2" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	45.89	8.42
For Schedule 80 Handrail, Add	4.17	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	12.20	
For Aluminum, Clear Anodized Finish, Add	18.88	
For Aluminum, Dark Anodized Finish, Add	21.78	
For Galvanizing, Add	11.62	
For Wrought Iron, Add	4.59	
For Solid Steel Rails, Add	9.18	
For 304 Stainless Steel, Add	92.93	
For 316 Stainless Steel, Add	104.54	
For 2" Wheel Guard, Add	2.76	
For 4" High Kick Plate, Add	3.63	
For 6" High Kick Plate, Add	5.81	
For Curved Rail, Add	22.48	
For Mounting On Stairs, Add	5.43	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	18.73	
For Nylon Coating, Add	4.36	
05 52 13 00-0007 LF 2-1/2" Diameter, One Rail, Up To 42" High, Welded Steel Pipe Railing	52.22	8.42
For Schedule 80 Handrail, Add	4.62	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	14.86	
For Aluminum, Clear Anodized Finish, Add	22.99	
For Aluminum, Dark Anodized Finish, Add	26.53	
For Galvanizing, Add	14.15	
For Wrought Iron, Add	5.22	
For Solid Steel Rails, Add	10.44	
For 304 Stainless Steel, Add	113.18	
For 316 Stainless Steel, Add	127.33	
For 2" Wheel Guard, Add	3.36	
For 4" High Kick Plate, Add	4.42	
For 6" High Kick Plate, Add	7.07	
For Curved Rail, Add	26.28	
For Mounting On Stairs, Add	6.06	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	21.90	
For Nylon Coating, Add	5.31	
05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and two rails.		
05 52 13 00-0009 LF 1" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	38.94	8.42
For Schedule 80 Handrail, Add	2.63	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	9.28	
For Aluminum, Clear Anodized Finish, Add	14.36	
For Aluminum, Dark Anodized Finish, Add	16.57	
For Galvanizing, Add	8.84	
For Wrought Iron, Add	3.89	
For Solid Steel Rails, Add	7.79	
For 304 Stainless Steel, Add	70.69	
For 316 Stainless Steel, Add	79.52	
For 2" Wheel Guard, Add	2.10	
For 4" High Kick Plate, Add	2.76	
For 6" High Kick Plate, Add	4.42	
For Curved Rail, Add	18.31	
For Mounting On Stairs, Add	4.74	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	15.26	
For Nylon Coating, Add	3.31	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010 LF 1-1/4" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	42.74	8.42
For Schedule 80 Handrail, Add	3.72	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	10.87	
For Aluminum, Clear Anodized Finish, Add	16.83	
For Aluminum, Dark Anodized Finish, Add	19.42	
For Galvanizing, Add	10.36	
For Wrought Iron, Add	4.27	
For Solid Steel Rails, Add	8.55	
For 304 Stainless Steel, Add	82.85	
For 316 Stainless Steel, Add	93.20	
For 2" Wheel Guard, Add	2.46	
For 4" High Kick Plate, Add	3.24	
For 6" High Kick Plate, Add	5.18	
For Curved Rail, Add	20.59	
For Mounting On Stairs, Add	5.12	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	17.16	
For Nylon Coating, Add	3.88	
05 52 13 00-0011 LF 1-1/2" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.55	8.42
For Schedule 80 Handrail, Add	3.72	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	12.47	
For Aluminum, Clear Anodized Finish, Add	19.31	
For Aluminum, Dark Anodized Finish, Add	22.28	
For Galvanizing, Add	11.88	
For Wrought Iron, Add	4.66	
For Solid Steel Rails, Add	9.31	
For 304 Stainless Steel, Add	95.04	
For 316 Stainless Steel, Add	106.92	
For 2" Wheel Guard, Add	2.82	
For 4" High Kick Plate, Add	3.71	
For 6" High Kick Plate, Add	5.94	
For Curved Rail, Add	22.88	
For Mounting On Stairs, Add	5.50	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	19.06	
For Nylon Coating, Add	4.46	
05 52 13 00-0012 LF 2" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	53.15	8.42
For Schedule 80 Handrail, Add	4.17	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	15.25	
For Aluminum, Clear Anodized Finish, Add	23.60	
For Aluminum, Dark Anodized Finish, Add	27.23	
For Galvanizing, Add	14.52	
For Wrought Iron, Add	5.32	
For Solid Steel Rails, Add	10.63	
For 304 Stainless Steel, Add	116.16	
For 316 Stainless Steel, Add	130.68	
For 2" Wheel Guard, Add	3.45	
For 4" High Kick Plate, Add	4.54	
For 6" High Kick Plate, Add	7.26	
For Curved Rail, Add	26.84	
For Mounting On Stairs, Add	6.16	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	22.36	
For Nylon Coating, Add	5.45	
05 52 13 00-0013 LF 2-1/2" Diameter, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	61.06	8.42
For Schedule 80 Handrail, Add	4.62	
For Additional Off Set Handrail, ADA Attachment, Add	11.86	
For Aluminum, Satin Finish, Add	18.57	
For Aluminum, Clear Anodized Finish, Add	28.74	
For Aluminum, Dark Anodized Finish, Add	33.16	
For Galvanizing, Add	17.68	
For Wrought Iron, Add	6.11	
For Solid Steel Rails, Add	12.21	
For 304 Stainless Steel, Add	141.47	
For 316 Stainless Steel, Add	159.16	
For 2" Wheel Guard, Add	4.20	
For 4" High Kick Plate, Add	5.53	
For 6" High Kick Plate, Add	8.84	
For Curved Rail, Add	31.58	
For Mounting On Stairs, Add	6.95	
For Mounting On Slopes, Add	1.69	
For Post Base Flange With Screws, Add Per Post	19.19	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.03	
For Custom Design Or Shapes (Square Tops, etc), Add	26.32	
For Nylon Coating, Add	6.63	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
<i>Note: Includes factory primed posts and three rails.</i>		
05 52 13 00-0015 LF 1" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	51.79	10.11
<i>For Schedule 80 Handrail, Add</i>	3.94	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.53	
<i>For Aluminum, Satin Finish, Add</i>	13.26	
<i>For Aluminum, Clear Anodized Finish, Add</i>	20.52	
<i>For Aluminum, Dark Anodized Finish, Add</i>	23.68	
<i>For Galvanizing, Add</i>	12.63	
<i>For Wrought Iron, Add</i>	5.18	
<i>For Solid Steel Rails, Add</i>	10.36	
<i>For 304 Stainless Steel, Add</i>	101.02	
<i>For 316 Stainless Steel, Add</i>	113.65	
<i>For 2" Wheel Guard, Add</i>	3.00	
<i>For 4" High Kick Plate, Add</i>	3.95	
<i>For 6" High Kick Plate, Add</i>	6.31	
<i>For Curved Rail, Add</i>	25.01	
<i>For Mounting On Stairs, Add</i>	6.19	
<i>For Mounting On Slopes, Add</i>	2.02	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.52	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.53	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	20.84	
<i>For Nylon Coating, Add</i>	4.74	
05 52 13 00-0016 LF 1-1/4" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	57.23	10.11
<i>For Schedule 80 Handrail, Add</i>	5.41	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.53	
<i>For Aluminum, Satin Finish, Add</i>	15.54	
<i>For Aluminum, Clear Anodized Finish, Add</i>	24.06	
<i>For Aluminum, Dark Anodized Finish, Add</i>	27.76	
<i>For Galvanizing, Add</i>	14.80	
<i>For Wrought Iron, Add</i>	5.72	
<i>For Solid Steel Rails, Add</i>	11.45	
<i>For 304 Stainless Steel, Add</i>	118.43	
<i>For 316 Stainless Steel, Add</i>	133.24	
<i>For 2" Wheel Guard, Add</i>	3.52	
<i>For 4" High Kick Plate, Add</i>	4.63	
<i>For 6" High Kick Plate, Add</i>	7.40	
<i>For Curved Rail, Add</i>	28.27	
<i>For Mounting On Stairs, Add</i>	6.73	
<i>For Mounting On Slopes, Add</i>	2.02	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.52	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.53	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	23.56	
<i>For Nylon Coating, Add</i>	5.55	
05 52 13 00-0017 LF 1-1/2" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	62.67	10.11
<i>For Schedule 80 Handrail, Add</i>	5.41	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.53	
<i>For Aluminum, Satin Finish, Add</i>	17.83	
<i>For Aluminum, Clear Anodized Finish, Add</i>	27.59	
<i>For Aluminum, Dark Anodized Finish, Add</i>	31.84	
<i>For Galvanizing, Add</i>	16.98	
<i>For Wrought Iron, Add</i>	6.27	
<i>For Solid Steel Rails, Add</i>	12.53	
<i>For 304 Stainless Steel, Add</i>	135.84	
<i>For 316 Stainless Steel, Add</i>	152.82	
<i>For 2" Wheel Guard, Add</i>	4.03	
<i>For 4" High Kick Plate, Add</i>	5.31	
<i>For 6" High Kick Plate, Add</i>	8.49	
<i>For Curved Rail, Add</i>	31.54	
<i>For Mounting On Stairs, Add</i>	7.28	
<i>For Mounting On Slopes, Add</i>	2.02	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.52	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.53	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	26.28	
<i>For Nylon Coating, Add</i>	6.37	
05 52 13 00-0018 LF 2" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	72.12	10.11
<i>For Schedule 80 Handrail, Add</i>	6.00	
<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.53	
<i>For Aluminum, Satin Finish, Add</i>	21.80	
<i>For Aluminum, Clear Anodized Finish, Add</i>	33.74	
<i>For Aluminum, Dark Anodized Finish, Add</i>	38.93	
<i>For Galvanizing, Add</i>	20.76	
<i>For Wrought Iron, Add</i>	7.21	
<i>For Solid Steel Rails, Add</i>	14.42	
<i>For 304 Stainless Steel, Add</i>	166.08	
<i>For 316 Stainless Steel, Add</i>	186.84	
<i>For 2" Wheel Guard, Add</i>	4.93	
<i>For 4" High Kick Plate, Add</i>	6.49	
<i>For 6" High Kick Plate, Add</i>	10.38	
<i>For Curved Rail, Add</i>	37.21	
<i>For Mounting On Stairs, Add</i>	8.22	
<i>For Mounting On Slopes, Add</i>	2.02	
<i>For Post Base Flange With Screws, Add Per Post</i>	19.52	
<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.53	
<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	31.01	
<i>For Nylon Coating, Add</i>	7.79	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF		2-1/2" Diameter, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	83.37	10.11
			<i>For Schedule 80 Handrail, Add</i>	6.60	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.53	
			<i>For Aluminum, Satin Finish, Add</i>	26.52	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	41.05	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	47.36	
			<i>For Galvanizing, Add</i>	25.26	
			<i>For Wrought Iron, Add</i>	8.34	
			<i>For Solid Steel Rails, Add</i>	16.67	
			<i>For 304 Stainless Steel, Add</i>	202.08	
			<i>For 316 Stainless Steel, Add</i>	227.34	
			<i>For 2" Wheel Guard, Add</i>	6.00	
			<i>For 4" High Kick Plate, Add</i>	7.89	
			<i>For 6" High Kick Plate, Add</i>	12.63	
			<i>For Curved Rail, Add</i>	43.96	
			<i>For Mounting On Stairs, Add</i>	9.35	
			<i>For Mounting On Slopes, Add</i>	2.02	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.52	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.53	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	36.63	
			<i>For Nylon Coating, Add</i>	9.47	
05 52 13 00-0020			Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
			Note: Includes factory primed posts and four rails.		
05 52 13 00-0021	LF		1" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	62.34	11.80
			<i>For Schedule 80 Handrail, Add</i>	5.47	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.21	
			<i>For Aluminum, Satin Finish, Add</i>	16.28	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.19	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.06	
			<i>For Galvanizing, Add</i>	15.50	
			<i>For Wrought Iron, Add</i>	6.23	
			<i>For Solid Steel Rails, Add</i>	12.47	
			<i>For 304 Stainless Steel, Add</i>	124.00	
			<i>For 316 Stainless Steel, Add</i>	139.50	
			<i>For 2" Wheel Guard, Add</i>	3.68	
			<i>For 4" High Kick Plate, Add</i>	4.84	
			<i>For 6" High Kick Plate, Add</i>	7.75	
			<i>For Curved Rail, Add</i>	30.33	
			<i>For Mounting On Stairs, Add</i>	7.41	
			<i>For Mounting On Slopes, Add</i>	2.36	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.86	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.04	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	25.27	
			<i>For Nylon Coating, Add</i>	5.81	
05 52 13 00-0022	LF		1-1/4" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	61.02	11.80
			<i>For Schedule 80 Handrail, Add</i>	7.30	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.21	
			<i>For Aluminum, Satin Finish, Add</i>	15.72	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	24.33	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	28.07	
			<i>For Galvanizing, Add</i>	14.97	
			<i>For Wrought Iron, Add</i>	6.10	
			<i>For Solid Steel Rails, Add</i>	12.20	
			<i>For 304 Stainless Steel, Add</i>	119.78	
			<i>For 316 Stainless Steel, Add</i>	134.75	
			<i>For 2" Wheel Guard, Add</i>	3.56	
			<i>For 4" High Kick Plate, Add</i>	4.68	
			<i>For 6" High Kick Plate, Add</i>	7.49	
			<i>For Curved Rail, Add</i>	29.54	
			<i>For Mounting On Stairs, Add</i>	7.28	
			<i>For Mounting On Slopes, Add</i>	2.36	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.86	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.04	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.61	
			<i>For Nylon Coating, Add</i>	5.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023	LF		1-1/2" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	59.70	11.80
			<i>For Schedule 80 Handrail, Add</i>	7.30	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.21	
			<i>For Aluminum, Satin Finish, Add</i>	15.17	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.47	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.08	
			<i>For Galvanizing, Add</i>	14.44	
			<i>For Wrought Iron, Add</i>	5.97	
			<i>For Solid Steel Rails, Add</i>	11.94	
			<i>For 304 Stainless Steel, Add</i>	115.55	
			<i>For 316 Stainless Steel, Add</i>	130.00	
			<i>For 2" Wheel Guard, Add</i>	3.43	
			<i>For 4" High Kick Plate, Add</i>	4.51	
			<i>For 6" High Kick Plate, Add</i>	7.22	
			<i>For Curved Rail, Add</i>	28.74	
			<i>For Mounting On Stairs, Add</i>	7.15	
			<i>For Mounting On Slopes, Add</i>	2.36	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.86	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.04	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	23.95	
			<i>For Nylon Coating, Add</i>	5.42	
05 52 13 00-0024	LF		2" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.75	11.80
			<i>For Schedule 80 Handrail, Add</i>	8.04	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.21	
			<i>For Aluminum, Satin Finish, Add</i>	24.85	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	38.45	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	44.37	
			<i>For Galvanizing, Add</i>	23.66	
			<i>For Wrought Iron, Add</i>	8.28	
			<i>For Solid Steel Rails, Add</i>	16.55	
			<i>For 304 Stainless Steel, Add</i>	189.31	
			<i>For 316 Stainless Steel, Add</i>	212.98	
			<i>For 2" Wheel Guard, Add</i>	5.62	
			<i>For 4" High Kick Plate, Add</i>	7.40	
			<i>For 6" High Kick Plate, Add</i>	11.83	
			<i>For Curved Rail, Add</i>	42.57	
			<i>For Mounting On Stairs, Add</i>	9.45	
			<i>For Mounting On Slopes, Add</i>	2.36	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.86	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.04	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	35.48	
			<i>For Nylon Coating, Add</i>	8.87	
05 52 13 00-0025	LF		2-1/2" Diameter, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	95.35	11.80
			<i>For Schedule 80 Handrail, Add</i>	8.78	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.21	
			<i>For Aluminum, Satin Finish, Add</i>	30.14	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	46.64	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	53.82	
			<i>For Galvanizing, Add</i>	28.70	
			<i>For Wrought Iron, Add</i>	9.54	
			<i>For Solid Steel Rails, Add</i>	19.07	
			<i>For 304 Stainless Steel, Add</i>	229.63	
			<i>For 316 Stainless Steel, Add</i>	258.34	
			<i>For 2" Wheel Guard, Add</i>	6.82	
			<i>For 4" High Kick Plate, Add</i>	8.97	
			<i>For 6" High Kick Plate, Add</i>	14.35	
			<i>For Curved Rail, Add</i>	50.13	
			<i>For Mounting On Stairs, Add</i>	10.71	
			<i>For Mounting On Slopes, Add</i>	2.36	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.86	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.04	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.78	
			<i>For Nylon Coating, Add</i>	10.76	
05 52 13 00-0026			Railing Infill Panels <small>(05 52 13)</small>		
			Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027			Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
			Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.48	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.95	
05 52 13 00-0030	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.36	
05 52 13 00-0031	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	14.13	
05 52 13 00-0032			Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033	SF		Powder Coated Steel, Perforated Metal, Railing Infill Panel	7.34	
05 52 13 00-0034	SF		Galvanized Steel, Perforated Metal, Railing Infill Panel.....	7.59	
05 52 13 00-0035	SF		Aluminum, Perforated Metal, Railing Infill Panel.....	8.13	
05 52 13 00-0036	SF		Stainless Steel, Perforated Metal, Railing Infill Panel	16.31	
05 52 13 00-0037			Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0038	SF		Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	3.31	
05 52 13 00-0039	SF		Galvanized Steel, Expanded Metal, Railing Infill Panel.....	6.77	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0040	SF		Aluminum, Expanded Metal, Railing Infill Panel.....	8.89	
05 52 13 00-0041	SF		Stainless Steel, Expanded Metal, Railing Infill Panel.....	13.25	
05 52 13 00-0042			Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF		1" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	29.55	5.06
			For Schedule 80 Handrail, Add	1.65	
			For Stainless Steel, Add	33.82	
			For Aluminum, Satin Finish, Add	7.10	
			For Curved Rail, Add	8.87	
			For Aluminum, Clear Anodized Finish, Add	10.99	
			For Aluminum, Dark Anodized Finish, Add	12.68	
			For Galvanized Finish, Add	5.07	
05 52 13 00-0044	LF		1-1/4" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.09	5.06
			For Schedule 80 Handrail, Add	1.83	
			For Stainless Steel, Add	34.90	
			For Aluminum, Satin Finish, Add	7.33	
			For Curved Rail, Add	9.03	
			For Aluminum, Clear Anodized Finish, Add	11.34	
			For Aluminum, Dark Anodized Finish, Add	13.09	
			For Galvanized Finish, Add	5.24	
05 52 13 00-0045	LF		1-1/2" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.64	5.06
			For Schedule 80 Handrail, Add	4.27	
			For Stainless Steel, Add	36.00	
			For Aluminum, Satin Finish, Add	7.56	
			For Curved Rail, Add	9.19	
			For Aluminum, Clear Anodized Finish, Add	11.70	
			For Aluminum, Dark Anodized Finish, Add	13.50	
			For Galvanized Finish, Add	5.40	
05 52 13 00-0046	LF		2" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	36.91	5.06
			For Schedule 80 Handrail, Add	2.16	
			For Stainless Steel, Add	48.54	
			For Aluminum, Satin Finish, Add	10.19	
			For Curved Rail, Add	11.07	
			For Aluminum, Clear Anodized Finish, Add	15.78	
			For Aluminum, Dark Anodized Finish, Add	18.20	
			For Galvanized Finish, Add	7.28	
05 52 13 00-0047	LF		2-1/2" Diameter, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	42.09	5.06
			For Schedule 80 Handrail, Add	2.31	
			For Stainless Steel, Add	58.90	
			For Aluminum, Satin Finish, Add	12.37	
			For Curved Rail, Add	12.63	
			For Aluminum, Clear Anodized Finish, Add	19.14	
			For Aluminum, Dark Anodized Finish, Add	22.09	
			For Galvanized Finish, Add	8.84	
05 52 13 00-0048			Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	35.96	5.30
			For Schedule 80 Handrail, Add	1.65	
			For Stainless Steel, Add	46.64	
			For Aluminum, Satin Finish, Add	9.79	
			For Curved Rail, Add	10.79	
			For Aluminum, Clear Anodized Finish, Add	15.16	
			For Aluminum, Dark Anodized Finish, Add	17.49	
			For Galvanized Finish, Add	7.00	
05 52 13 00-0050	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	36.72	5.30
			For Schedule 80 Handrail, Add	1.83	
			For Stainless Steel, Add	48.16	
			For Aluminum, Satin Finish, Add	10.11	
			For Curved Rail, Add	11.02	
			For Aluminum, Clear Anodized Finish, Add	15.65	
			For Aluminum, Dark Anodized Finish, Add	18.06	
			For Galvanized Finish, Add	7.22	
05 52 13 00-0051	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	37.29	5.30
			For Schedule 80 Handrail, Add	4.27	
			For Stainless Steel, Add	49.30	
			For Aluminum, Satin Finish, Add	10.35	
			For Curved Rail, Add	11.19	
			For Aluminum, Clear Anodized Finish, Add	16.02	
			For Aluminum, Dark Anodized Finish, Add	18.49	
			For Galvanized Finish, Add	7.40	
05 52 13 00-0052	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.05	5.30
			For Schedule 80 Handrail, Add	2.16	
			For Stainless Steel, Add	66.82	
			For Aluminum, Satin Finish, Add	14.03	
			For Curved Rail, Add	13.82	
			For Aluminum, Clear Anodized Finish, Add	21.72	
			For Aluminum, Dark Anodized Finish, Add	25.06	
			For Galvanized Finish, Add	10.02	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0053 LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	51.78	5.30
For Schedule 80 Handrail, Add	2.31	
For Stainless Steel, Add	78.28	
For Aluminum, Satin Finish, Add	16.44	
For Curved Rail, Add	15.53	
For Aluminum, Clear Anodized Finish, Add	25.44	
For Aluminum, Dark Anodized Finish, Add	29.36	
For Galvanized Finish, Add	11.74	
05 52 13 00-0054 Remove/Reinstall Pipe Railing (05 52 13)		
05 52 13 00-0055 LF Remove And Reinstall Wall Bracket Mounted Pipe Railing	18.96	
05 52 13 00-0056 LF Remove And Reinstall Floor Mounted Pipe Railing	24.70	
05 52 13 00-0057 EA Install New Galvanized Steel Pipe Railing Bracket	41.55	
For Stainless Steel, Add	32.56	
05 53 Metal Gratings (05 50)		
05 53 13 Bar Gratings (05 53)		
05 53 13 00-0001 Welded Grating (05 53 13)		
Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating.....	7.57	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	0.97	
For 304 Stainless Steel, Add	18.36	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	1.67	
For Crossbars At 2" O.C., Add	0.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.38	
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating.....	9.94	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.38	
For 304 Stainless Steel, Add	25.97	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.36	
For Crossbars At 2" O.C., Add	0.87	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.44	
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating.....	9.09	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.23	
For 304 Stainless Steel, Add	23.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.11	
For Crossbars At 2" O.C., Add	0.78	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.42	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating.....	12.31	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.78	
For 304 Stainless Steel, Add	33.58	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.05	
For Crossbars At 2" O.C., Add	1.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.50	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating.....	15.53	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	43.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.99	
For Crossbars At 2" O.C., Add	1.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.58	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating	10.63	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.49	
For 304 Stainless Steel, Add	28.18	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.56	
For Crossbars At 2" O.C., Add	0.95	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating.....	14.54	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	40.73	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.71	
For Crossbars At 2" O.C., Add	1.37	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating.....	12.17	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	33.13	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.01	
For Crossbars At 2" O.C., Add	1.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.50	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating.....	17.32	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.56	
For 304 Stainless Steel, Add	48.31	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.39	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating.....	22.21	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	64.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.82	
For Crossbars At 2" O.C., Add	2.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.02	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating.....	19.70	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	55.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.09	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	21.94	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	63.14	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.74	
For Crossbars At 2" O.C., Add	2.12	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.01	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating.....	24.31	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	70.75	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.44	
For Crossbars At 2" O.C., Add	2.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.07	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating.....	26.54	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.13	
For 304 Stainless Steel, Add	77.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.09	
For Crossbars At 2" O.C., Add	2.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.13	

05 53 13 00-0017

Pressure Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018

Steel, Pressure Locked Grating (05 53 13 00-0017)

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating.....	13.78	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.96	
			<i>For 304 Stainless Steel, Add</i>	22.32	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	3.48	
			<i>For Crossbars At 2" O.C., Add</i>	1.29	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.54	
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating.....	16.83	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.46	
			<i>For 304 Stainless Steel, Add</i>	28.03	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.37	
			<i>For Crossbars At 2" O.C., Add</i>	1.62	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.61	
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating.....	15.09	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For 304 Stainless Steel, Add</i>	24.77	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	3.87	
			<i>For Crossbars At 2" O.C., Add</i>	1.43	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.57	
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating.....	20.32	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.03	
			<i>For 304 Stainless Steel, Add</i>	34.56	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 7/16" O.C., Add</i>	26.78	
			<i>For Bearing Bars At 15/16" O.C., Add</i>	5.39	
			<i>For Crossbars At 2" O.C., Add</i>	1.99	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.70	
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.83	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.46	
			<i>For 304 Stainless Steel, Add</i>	28.03	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.37	
			<i>For Crossbars At 2" O.C., Add</i>	1.62	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.61	
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating.....	22.74	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.43	
			<i>For 304 Stainless Steel, Add</i>	39.09	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	6.10	
			<i>For Crossbars At 2" O.C., Add</i>	2.26	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.76	
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating.....	18.66	0.92
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.76	
			<i>For 304 Stainless Steel, Add</i>	31.45	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	4.91	
			<i>For Crossbars At 2" O.C., Add</i>	1.82	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.66	
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	25.70	1.14
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.84	
			<i>For 304 Stainless Steel, Add</i>	43.84	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 7/16" O.C., Add</i>	33.97	
			<i>For Bearing Bars At 15/16" O.C., Add</i>	6.84	
			<i>For Crossbars At 2" O.C., Add</i>	2.53	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.11	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.25	1.14
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.26	
			<i>For 304 Stainless Steel, Add</i>	48.61	
			<i>Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.</i>		
			<i>For Bearing Bars At 15/16" O.C., Add</i>	7.59	
			<i>For Crossbars At 2" O.C., Add</i>	2.81	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	30.33	1.14
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.60	
			For 304 Stainless Steel, Add	52.50	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	8.19	
			For Crossbars At 2" O.C., Add	3.03	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.22	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	32.33	1.14
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.93	
			For 304 Stainless Steel, Add	56.24	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	8.78	
			For Crossbars At 2" O.C., Add	3.25	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.27	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	34.06	1.14
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.21	
			For 304 Stainless Steel, Add	59.48	
			Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
			For Bearing Bars At 15/16" O.C., Add	9.28	
			For Crossbars At 2" O.C., Add	3.43	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.32	
05 53 13 00-0031			Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)		
			Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating.....	10.10	0.92
			For Bearing Bars At 15/16" O.C., Add	2.41	
			For Crossbars At 2" O.C., Add	0.89	
			For Set In Place Without Bolting, Deduct	-1.45	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating.....	13.48	0.92
			For Bearing Bars At 15/16" O.C., Add	3.40	
			For Crossbars At 2" O.C., Add	1.26	
			For Set In Place Without Bolting, Deduct	-1.53	
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating.....	12.75	0.92
			For Bearing Bars At 15/16" O.C., Add	3.18	
			For Crossbars At 2" O.C., Add	1.18	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.51	
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating.....	17.13	0.92
			For Bearing Bars At 7/16" O.C., Add	22.16	
			For Bearing Bars At 15/16" O.C., Add	4.46	
			For Crossbars At 2" O.C., Add	1.65	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.62	
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	14.68	0.92
			For Bearing Bars At 15/16" O.C., Add	3.75	
			For Crossbars At 2" O.C., Add	1.39	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.56	
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	19.45	0.92
			For Bearing Bars At 15/16" O.C., Add	5.14	
			For Crossbars At 2" O.C., Add	1.90	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.68	
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	16.49	0.92
			For Bearing Bars At 15/16" O.C., Add	4.27	
			For Crossbars At 2" O.C., Add	1.58	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.61	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	21.84	0.92
			For Bearing Bars At 7/16" O.C., Add	28.99	
			For Bearing Bars At 15/16" O.C., Add	5.84	
			For Crossbars At 2" O.C., Add	2.16	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.74	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	24.13	0.92
			For Bearing Bars At 15/16" O.C., Add	6.51	
			For Crossbars At 2" O.C., Add	2.41	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.80	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating.....	26.84	0.92
			For Bearing Bars At 15/16" O.C., Add	7.30	
			For Crossbars At 2" O.C., Add	2.70	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.86	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	28.97	0.92
			For Bearing Bars At 15/16" O.C., Add	7.92	
			For Crossbars At 2" O.C., Add	2.93	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.92	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	31.50	0.92
For Bearing Bars At 15/16" O.C., Add	8.66	
For Crossbars At 2" O.C., Add	3.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.98	
05 53 13 00-0044 Swage Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045 Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating.....	22.18	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.87	
For 304 Stainless Steel, Add	33.71	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	13.01	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.75	
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating.....	24.68	0.92
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.10	
For 304 Stainless Steel, Add	37.85	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	14.61	
For Crossbars At 2" O.C., Add	1.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.81	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating.....	27.07	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	41.12	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	15.87	
For Crossbars At 2" O.C., Add	1.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.14	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating.....	30.91	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	47.49	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	18.33	
For Crossbars At 2" O.C., Add	2.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.24	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	34.77	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.99	
For 304 Stainless Steel, Add	53.89	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	20.80	
For Crossbars At 2" O.C., Add	2.60	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.33	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating.....	38.61	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	60.25	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	23.26	
For Crossbars At 2" O.C., Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.43	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating.....	42.47	1.14
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	66.65	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	25.73	
For Crossbars At 2" O.C., Add	3.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.53	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	11.82	0.92
For Bearing Bars At 15/16" O.C., Add	6.38	
For Crossbars At 2" O.C., Add	0.80	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating	15.16	0.92
			For Bearing Bars At 15/16" O.C., Add	8.52	
			For Crossbars At 2" O.C., Add	1.06	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.57	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating	13.32	0.92
			For Bearing Bars At 15/16" O.C., Add	7.34	
			For Crossbars At 2" O.C., Add	0.92	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.53	
05 53 13 00-0057	SF		1-1/2" x 3/16" Aluminum, Swaged Grating	17.40	0.92
			For Bearing Bars At 15/16" O.C., Add	9.95	
			For Crossbars At 2" O.C., Add	1.24	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.63	
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating	15.10	0.92
			For Bearing Bars At 15/16" O.C., Add	8.48	
			For Crossbars At 2" O.C., Add	1.06	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.57	
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating	19.81	0.92
			For Bearing Bars At 15/16" O.C., Add	11.49	
			For Crossbars At 2" O.C., Add	1.44	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.69	
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating	22.58	0.92
			For Bearing Bars At 15/16" O.C., Add	13.27	
			For Crossbars At 2" O.C., Add	1.66	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.76	
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating	25.34	0.92
			For Bearing Bars At 15/16" O.C., Add	15.03	
			For Crossbars At 2" O.C., Add	1.88	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.83	
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating	28.11	0.92
			For Bearing Bars At 15/16" O.C., Add	16.81	
			For Crossbars At 2" O.C., Add	2.10	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.90	
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating	30.86	0.92
			For Bearing Bars At 15/16" O.C., Add	18.57	
			For Crossbars At 2" O.C., Add	2.32	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.96	
05 53 13 00-0064			Riveted Grating <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	41.61	0.92
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.91	
			For 304 Stainless Steel, Add	34.15	
			For 5/8" Clear Opening, Add	13.72	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.23	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	48.89	0.92
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.26	
			For 304 Stainless Steel, Add	40.41	
			For 5/8" Clear Opening, Add	16.23	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.42	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	44.96	0.92
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.07	
			For 304 Stainless Steel, Add	37.03	
			For 5/8" Clear Opening, Add	14.87	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.32	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	51.66	0.92
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.39	
			For 304 Stainless Steel, Add	42.79	
			For 5/8" Clear Opening, Add	17.18	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.74	0.92
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	2.20	
				<i>For 304 Stainless Steel, Add</i>	39.42	
				<i>For 5/8" Clear Opening, Add</i>	15.83	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.39	
	05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.83	0.92
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	2.64	
				<i>For 304 Stainless Steel, Add</i>	47.23	
				<i>For 5/8" Clear Opening, Add</i>	18.97	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.61	
	05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.83	1.14
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	2.33	
				<i>For 304 Stainless Steel, Add</i>	41.71	
				<i>For 5/8" Clear Opening, Add</i>	16.75	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.73	
	05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.55	1.14
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	2.80	
				<i>For 304 Stainless Steel, Add</i>	50.06	
				<i>For 5/8" Clear Opening, Add</i>	20.11	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.98	
	05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.51	1.14
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.04	
				<i>For 304 Stainless Steel, Add</i>	54.32	
				<i>For 5/8" Clear Opening, Add</i>	21.82	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.10	
	05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.58	1.14
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.57	
				<i>For 304 Stainless Steel, Add</i>	63.83	
				<i>For 5/8" Clear Opening, Add</i>	25.64	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.38	
	05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	80.43	1.14
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.75	
				<i>For 304 Stainless Steel, Add</i>	67.14	
				<i>For 5/8" Clear Opening, Add</i>	26.97	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.47	
	05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.87	1.14
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.92	
				<i>For 304 Stainless Steel, Add</i>	70.09	
				<i>For 5/8" Clear Opening, Add</i>	28.15	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.56	
	05 53 13 00-0078			Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
				Note: 1" clear opening, bolted in place and in all sizes.		
	05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.62	0.92
				<i>For 5/8" Clear Opening, Add</i>	7.86	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.81	
	05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	29.13	0.92
				<i>For 5/8" Clear Opening, Add</i>	9.41	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.92	
	05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	27.03	0.92
				<i>For 5/8" Clear Opening, Add</i>	8.69	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.87	
	05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.43	0.92
				<i>For 5/8" Clear Opening, Add</i>	10.21	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.98	
	05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	30.25	0.92
				<i>For 5/8" Clear Opening, Add</i>	9.80	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.95	
	05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	36.36	0.92
				<i>For 5/8" Clear Opening, Add</i>	11.91	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.10	
	05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.45	0.92
				<i>For 5/8" Clear Opening, Add</i>	10.56	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	40.21	0.92
For 5/8" Clear Opening, Add	13.23	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.20	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	44.27	0.92
For 5/8" Clear Opening, Add	14.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.30	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.63	0.92
For 5/8" Clear Opening, Add	17.52	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.51	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	57.36	0.92
For 5/8" Clear Opening, Add	19.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.63	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.72	0.92
For 5/8" Clear Opening, Add	21.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.79	

05 53 16 Plank Gratings (05 53)

05 53 16 00-0001 Grate-Lock Steel Plank Grating (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.37	0.72
For Stair Tread Application, Add	1.15	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.09	0.88
For Stair Tread Application, Add	1.27	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.67	0.97
For Stair Tread Application, Add	1.36	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	11.65	1.05
For Stair Tread Application, Add	1.48	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	11.36	0.80
For Stair Tread Application, Add	1.38	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	12.17	0.97
For Stair Tread Application, Add	1.51	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	13.91	0.92
For Stair Tread Application, Add	1.67	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	14.91	1.14
For Stair Tread Application, Add	1.83	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	16.12	1.43
For Stair Tread Application, Add	2.04	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	17.81	1.60
For Stair Tread Application, Add	2.26	

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.80	1.10
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.26	1.10
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.21	1.10
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.27	1.18
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	25.56	1.26

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.73	0.92
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	18.05	1.10
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	20.37	1.18

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.46	1.26
For 3/16" Stainless Steel, Add	7.38	
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.63	1.43
For 3/16" Stainless Steel, Add	8.86	
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	40.94	1.68
For 3/16" Stainless Steel, Add	11.57	

05 55 Metal Stair Treads And Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	38.18	4.35
For 3/8" Thick, Add	7.81	
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	41.87	4.35
For 3/8" Thick, Add	8.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0004	LF			10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	45.55 9.65	4.35
05 55 13 00-0005	LF			11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	49.26 10.58	4.35
05 55 13 00-0006	LF			12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	52.92 11.49	4.35
05 55 13 00-0007				Abrasive Cast Iron Stair Treads <small>(05 55 13)</small> Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008	LF			8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	52.49	4.35
05 55 13 00-0009	LF			9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	57.96	4.35
05 55 13 00-0010	LF			10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	63.44	4.35
05 55 13 00-0011	LF			11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	68.91	4.35
05 55 13 00-0012	LF			12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	74.39	4.35
05 55 13 00-0013				Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014	LF			6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	20.91	4.35
05 55 13 00-0015	LF			9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	24.26	4.35
05 55 13 00-0016	LF			11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	25.73	4.35
05 55 13 00-0017				Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF			8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	30.14	4.35
				<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
				<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0019	LF			9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	30.42	4.35
				<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
				<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0020	LF			11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	36.44	4.35
				<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
				<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0021	LF			12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	41.71	4.35
				<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
				<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0022	LF			15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	48.58	4.35
				<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
				<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0023				Stair Landing Treads <small>(05 55 13)</small>		
05 55 13 00-0024				Abrasive Cast Aluminum Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025	SF			5/16" Thick, Abrasive Cast Aluminum Landing Treads	52.92	4.35
				<i>For 3/8" Thick, Add</i>	11.49	
05 55 13 00-0026				Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027	SF			3/8" Thick, Abrasive Cast Iron Landing Treads	74.39	4.35
05 55 13 00-0028				Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029	SF			9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	49.19	4.35
				<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
05 55 13 00-0030				Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031	RSR			3'-6" Wide, Open Cast Iron Stair Tread	373.04	33.69
				<i>For Closed Riser, Add</i>	31.74	
05 55 13 00-0032	RSR			4'-0" Wide, Open Cast Iron Stair Tread	421.94	38.75
				<i>For Closed Riser, Add</i>	35.78	
05 55 13 00-0033	RSR			5'-0" Wide, Open Cast Iron Stair Tread	466.73	45.49
				<i>For Closed Riser, Add</i>	39.51	
05 55 16				Metal Stair Nosings <small>(05 55)</small>		
05 55 16 00-0001				Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0002	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	16.54 2.95	2.97
05 55 16 00-0003	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	20.11 3.84	2.97
05 55 16 00-0004	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	28.05 5.83	2.97
05 55 16 00-0005			Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	19.14 3.60	2.97
05 55 16 00-0007	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	23.53 4.70	2.97
05 55 16 00-0008	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	32.20 6.86	2.97
05 55 16 00-0009			Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF		1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.13	2.97
05 55 16 00-0011	LF		3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.85	2.97
05 55 16 00-0012	LF		4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	17.16	2.97
05 55 16 00-0013	LF		6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.23	2.97
05 55 16 00-0014	LF		1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.59	2.97
05 55 16 00-0015	LF		3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.05	2.97
05 55 16 00-0016	LF		4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	17.51	2.97
05 55 16 00-0017	LF		3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.62	2.97
05 56 Metal Castings <small>(05 50)</small>					
05 56 00 00-0001			Castings <small>(05 56)</small>		
05 56 00 00-0002	LB		Up To 150 LB, Miscellaneous Castings, Light Section.....	3.06	0.42
05 56 00 00-0003	LB		>150 LB, Miscellaneous Castings, Heavy Section.....	4.99	0.34
05 58 Formed Metal Fabrications <small>(05 50)</small>					
05 58 16 Formed Metal Enclosures <small>(05 58)</small>					
05 58 16 00-0001			Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002	SF		Stainless Steel Drip Pan	59.20	4.51
05 58 16 00-0003	SF		Galvanized Steel Drip Pan.....	58.51	4.51
05 58 16 00-0004	SF		Aluminum Drip Pan.....	41.28	3.60
05 58 16 00-0005	SF		Plastic Drip Pan	11.76	3.16
05 58 23 Formed Metal Guards <small>(05 58)</small>					
05 58 23 00-0001			Protective Guard Rails <small>(05 58 23)</small> Note: Includes painted finish.		
05 58 23 00-0002			2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Armor Guard.		
05 58 23 00-0003			Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA		1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	109.78	14.25
05 58 23 00-0005	EA		2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	128.23	14.25
05 58 23 00-0006	EA		3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	145.64	14.25
05 58 23 00-0007	EA		4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	164.10	14.25
05 58 23 00-0008	EA		5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	181.60	14.25
05 58 23 00-0009	EA		6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	204.30	14.25
05 58 23 00-0010	EA		7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	219.76	14.25
05 58 23 00-0011	EA		8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	243.70	14.25
05 58 23 00-0012	EA		9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	259.41	14.25
05 58 23 00-0013	EA		10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	270.64	14.25
05 58 23 00-0014			Posts For 2-Rib Guard Rails <small>(05 58 23 00-0002)</small> Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA		12" Height, Single Rail Post For 2-Rib Guard Rails	222.94	29.67
05 58 23 00-0016	EA		42" Height, Triple Rail Post For 2-Rib Guard Rails	287.03	29.67
05 58 23 00-0017			3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Steel Guard.		
05 58 23 00-0018			Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	120.90	14.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	133.17	14.25
				05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	148.48	14.25
				05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	162.80	14.25
				05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	179.36	14.25
				05 58 23 00-0024 EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	187.34	14.25
				05 58 23 00-0025 EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	206.54	14.25
				05 58 23 00-0026 EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	222.75	14.25
				05 58 23 00-0027 EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	239.96	14.25
				05 58 23 00-0028 EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	257.42	14.25
05 58 23 00-0029				Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0017)</small>		
				Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
				05 58 23 00-0030 EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	176.12	14.25
				05 58 23 00-0031 EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	189.58	14.25
				05 58 23 00-0032 EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	203.55	14.25
				05 58 23 00-0033 EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	219.76	14.25
				05 58 23 00-0034 EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	235.97	14.25
				05 58 23 00-0035 EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	249.19	14.25
				05 58 23 00-0036 EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	264.40	14.25
				05 58 23 00-0037 EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	281.61	14.25
				05 58 23 00-0038 EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	300.06	14.25
				05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	316.27	14.25
05 58 23 00-0040				Posts For 3-Rib Guard Rails <small>(05 58 23 00-0017)</small>		
				Note: Includes drilling, surface mounting plate and anchors.		
				05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails	197.40	29.67
				05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails	249.38	29.67
05 58 23 00-0043				All-Welded, Protective Guards <small>(05 58 23)</small>		
				Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044				All-Welded, Protective Guards <small>(05 58 23 00-0043)</small>		
				05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	257.93	39.56
				05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	270.40	39.56
				05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	277.63	39.56
				05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	288.36	39.56
				05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	285.86	39.56
				05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	299.08	39.56
				05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	302.82	39.56
				05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	307.06	39.56
				05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	327.26	39.56
05 58 23 00-0054				Corner Style, All-Welded, Protective Guards <small>(05 58 23 00-0043)</small>		
				05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	335.24	39.56
				05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	350.21	39.56
				05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	356.44	39.56
				05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	387.12	39.56
05 58 23 00-0059				Warehouse Safety Bollards <small>(05 58 23)</small>		
				Note: Includes painted finish, drilling, surface mounting plate and anchors.		
				05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	164.16	29.67
				05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	188.80	29.67
				05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	214.88	29.67
				05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	222.02	29.67
				05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	238.48	29.67
05 59 Metal Specialties <small>(05 50)</small>						
05 59 65 Chain <small>(05 59)</small>						
05 59 65 00-0001				Alloy Steel Chain, Self Colored, Cut Length <small>(05 59 65)</small>		
				Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
				05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	3.80	0.82
				<i>For Plastic Dipped, Add</i>	0.33	
				05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.10	1.09
				<i>For Plastic Dipped, Add</i>	0.44	
				05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.31	2.17
				<i>For Plastic Dipped, Add</i>	0.59	
				05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.41	3.67
				<i>For Plastic Dipped, Add</i>	0.91	
				05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	22.65	6.21
				<i>For Plastic Dipped, Add</i>	1.53	
				05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	31.78	8.71
				<i>For Plastic Dipped, Add</i>	2.15	

05 Metals

05 50 Metal Fabrications

05 59 Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0008	LF		7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	42.84 3.16	10.89
05 59 65 00-0009	LF		1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	61.32 4.84	14.51
05 59 65 00-0010	LF		1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	98.80 8.29	21.78

END OF SECTION 05



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 90 Painting And Coating⁽⁰⁹⁾

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in.

09 91 Painting^(09 90)

09 91 13 Exterior Painting^(09 91)

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-001 Paint Exterior Walls/Siding^(09 91 13)

09 91 13 00-002 Paint Exterior Brick Walls^(09 91 13 00-0001)

09 91 13 00-003	SF Paint Exterior Brick Walls, 1 Coat Filler, Brush Work.....	0.78
	For Oil Based Paint, Add	0.05
	For Work >20', Add	0.16
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.51
	For >100 To 250, Add	0.24
	For >250 To 500, Add	0.10
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000 To 20,000, Deduct	-0.12
	For >20,000, Deduct	-0.16
09 91 13 00-004	SF Paint Exterior Brick Walls, 1 Coat Paint, Brush Work	1.11
	For Oil Based Paint, Add	0.06
	For Work >20', Add	0.24
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.74
	For >100 To 250, Add	0.35
	For >250 To 500, Add	0.15
	For >2,500 To 5,000, Deduct	-0.06
	For >5,000 To 10,000, Deduct	-0.11
	For >10,000 To 20,000, Deduct	-0.17
	For >20,000, Deduct	-0.22
09 91 13 00-005	SF Paint Exterior Brick Walls, 2 Coats Paint, Brush Work.....	1.60
	For Oil Based Paint, Add	0.10
	For Work >20', Add	0.33
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	1.02
	For >100 To 250, Add	0.49
	For >250 To 500, Add	0.21
	For >2,500 To 5,000, Deduct	-0.08
	For >5,000 To 10,000, Deduct	-0.16
	For >10,000 To 20,000, Deduct	-0.24
	For >20,000, Deduct	-0.32
09 91 13 00-006	SF Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.51
	For Oil Based Paint, Add	0.03
	For Work >20', Add	0.10
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.30
	For >100 To 250, Add	0.15
	For >250 To 500, Add	0.06
	For >2,500 To 5,000, Deduct	-0.03
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000 To 20,000, Deduct	-0.08
	For >20,000, Deduct	-0.10
09 91 13 00-007	SF Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.85
	For Oil Based Paint, Add	0.05
	For Work >20', Add	0.17
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.52
	For >100 To 250, Add	0.25
	For >250 To 500, Add	0.11
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.09
	For >10,000 To 20,000, Deduct	-0.13
	For >20,000, Deduct	-0.17
09 91 13 00-008	SF Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.25
	For Oil Based Paint, Add	0.08
	For Work >20', Add	0.23
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.73
	For >100 To 250, Add	0.35
	For >250 To 500, Add	0.15
	For >2,500 To 5,000, Deduct	-0.06
	For >5,000 To 10,000, Deduct	-0.13
	For >10,000 To 20,000, Deduct	-0.19
	For >20,000, Deduct	-0.25

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF		Paint Exterior Brick Walls, 1 Coat Filler, Sprayed	0.50	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0010	SF		Paint Exterior Brick Walls, 1 Coat Paint, Sprayed.....	0.49	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0011	SF		Paint Exterior Brick Walls, 2 Coats Paint, Sprayed.....	1.06	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0012			Paint Exterior Concrete Walls (09 91 13 00-0001)		
09 91 13 00-0013	SF		Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0014	SF		Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work.....	0.73	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0015	SF		Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work	1.36	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.12	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0016	SF		Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.53	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0017 SF Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0018 SF Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	1.02	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0019 SF Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0020 SF Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0021 SF Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed.....	0.71	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0022 Paint Exterior Concrete Block Walls (09 91 13 00-0001)		
09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	0.91	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0025 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	1.05	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work.....	1.84	
For Work >20', Add	0.36	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0027 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.74	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0028 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.83	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0029 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.46	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0030 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed.....	0.58	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0031 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.65	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0032 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.24	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)		
09 91 13 00-0034 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.85	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work	1.00	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0036 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work	1.82	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 13 00-0037 SF Paint Exterior Concrete Block Walls, Texture Coat, Brush Work	1.11	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0038 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.67	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0039 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	0.85	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0040 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.44	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0041 SF Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work	0.95	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF		Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0043	SF		Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0044	SF		Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed.....	1.04	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0045	SF		Paint Exterior Concrete Block Walls, Texture Coat, Sprayed.....	0.85	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0046			Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0047			Paint Exterior Galvanized Walls (09 91 13 00-0046)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0048	SF		Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.80	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0049	SF		Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.89	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0050	SF		Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	1.60	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.59	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0052 SF Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work.....	0.69	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0053 SF Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	1.28	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0054 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.46	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0055 SF Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.63	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0056 SF Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed.....	1.03	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0057 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0046)		
Note: Alkyd enamel paint.		
09 91 13 00-0058 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.80	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0059 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work.....	0.89	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	1.60	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0061	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.64	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0062	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.73	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0063	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.36	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0064	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.51	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0065	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.63	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0066	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	1.03	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0067			Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0046)		
09 91 13 00-0068	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack.....	11.17	
			For Work >20', Add	2.58	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	7.86	
			For >100 To 250, Add	3.69	
			For >250 To 500, Add	1.59	
			For >2,500 To 5,000, Deduct	-0.56	
			For >5,000 To 10,000, Deduct	-1.12	
			For >10,000 To 20,000, Deduct	-1.68	
			For >20,000, Deduct	-2.23	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack.....	12.44	
For Work >20', Add	2.87	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.75	
For >100 To 250, Add	4.11	
For >250 To 500, Add	1.77	
For >2,500 To 5,000, Deduct	-0.62	
For >5,000 To 10,000, Deduct	-1.24	
For >10,000 To 20,000, Deduct	-1.87	
For >20,000, Deduct	-2.49	
09 91 13 00-0070 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack.....	23.27	
For Work >20', Add	5.39	
Note: Applied only to work area above 20'.		
For Up To 100, Add	16.42	
For >100 To 250, Add	7.71	
For >250 To 500, Add	3.32	
For >2,500 To 5,000, Deduct	-1.16	
For >5,000 To 10,000, Deduct	-2.33	
For >10,000 To 20,000, Deduct	-3.49	
For >20,000, Deduct	-4.65	
09 91 13 00-0071 Paint Exterior Corrugated Metal Walls (09 91 13 00-0046)		
09 91 13 00-0072 SF Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.59	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0073 SF Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.81	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0074 SF Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	1.31	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0075 Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0076 SF Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work.....	1.14	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.25	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0077 SF Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work.....	1.26	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0078	SF		Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.33	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.51	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.57	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 13 00-0079	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work	0.87	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0080	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0081	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.79	
			For Oil Based Paint, Add	0.10	
			For Work >20', Add	0.37	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0082	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0083	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0084	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	1.49	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.29	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	

09 91 13 00-0085 Paint Exterior Wood Siding (09 91 13 00-0001)

09 91 13 00-0086 Paint Exterior Smooth Wood Siding (09 91 13 00-0085)

Note: Includes tongue and groove, beveled, drop or board and batten siding.



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0087 SF Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work.....	0.83	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0088 SF Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.87	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0089 SF Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work.....	1.56	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.01	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0090 SF Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0091 SF Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work.....	0.71	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0092 SF Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	1.32	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0093 SF Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.51	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0094	SF		Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0095	SF		Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed.....	1.01	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0096			Paint Exterior Rough Wood Siding (09 91 13 00-0085)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0097	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work.....	1.28	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0098	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	1.30	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.29	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0099	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work.....	2.39	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.53	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0100	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work.....	1.11	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0101	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....	1.20	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.23	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	2.22	
For Oil Based Paint, Add	0.14	
For Work >20', Add	0.42	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.33	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0103 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.82	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0104 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	0.93	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0105 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed	1.73	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.32	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.02	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 13 00-0106 Paint Exterior Vinyl Siding (09 91 13 00-0001).....	0.71	
09 91 13 00-0107 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.71	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0108 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.78	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0109 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work.....	1.43	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0110	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0111	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.64	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0112	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.17	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 13 00-0113	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.55	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0114	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.62	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0115	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed	1.23	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.25	
09 91 13 00-0116			Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0117			Paint Exterior Concrete Ceilings (09 91 13 00-0116)		
09 91 13 00-0118	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work	0.76	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0120 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.47	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0121 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.58	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0122 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0123 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.19	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0124 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed.....	0.47	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0125 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed	0.90	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0127			Paint Exterior Wood Ceilings (09 91 13 00-0116)		
09 91 13 00-0128			Paint Exterior Smooth Wood Ceilings (09 91 13 00-0127)		
09 91 13 00-0129	SF		Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.92	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0130	SF		Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.96	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0131	SF		Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.74	
			For Oil Based Paint, Add	0.10	
			For Work >20', Add	0.37	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.15	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0132	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.73	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0133	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0134	SF		Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.41	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0135 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0136 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0137 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.07	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0138 Paint Exterior Rough Wood Ceilings (09 91 13 00-0127)		
09 91 13 00-0139 SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	1.37	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 13 00-0140 SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.43	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0141 SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.48	
For Oil Based Paint, Add	0.14	
For Work >20', Add	0.56	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.70	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.50	
09 91 13 00-0142 SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	1.20	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0143	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.29	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.25	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0144	SF		Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	2.31	
			For Oil Based Paint, Add	0.14	
			For Work >20', Add	0.44	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 13 00-0145	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed.....	0.93	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0146	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	1.04	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0147	SF		Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.86	
			For Oil Based Paint, Add	0.12	
			For Work >20', Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 13 00-0148			Paint Exterior Metal Ceilings (09 91 13 00-0116)		
09 91 13 00-0149			Paint Exterior Galvanized Ceilings (09 91 13 00-0148)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0150	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.89	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0151	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	0.98	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0152 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.78	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 13 00-0153 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.68	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0154 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.77	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0155 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.35	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0156 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.63	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0157 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.74	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0158 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.15	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0159 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0148)		
Note: Alkyd enamel paint.		
09 91 13 00-0160 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.89	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	0.98	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0162	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.78	
			For Work >20', Add	0.37	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0163	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.73	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0164	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.82	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0165	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.45	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0166	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.63	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0167	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.63	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0168	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.15	
			For Work >20', Add	0.20	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	

09 91 13 00-0169 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0148)



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.69	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0171 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.81	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0172 SF Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.45	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0173 Paint Exterior Floors (09 91 13)		
09 91 13 00-0174 Paint Exterior Concrete Floors (09 91 13 00-0173)		
09 91 13 00-0175 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.58	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0176 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0177 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	1.18	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0178 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.47	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0179 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.56	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0180 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work	0.89	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0181 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed	0.36	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0182 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0183 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.79	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0184 SF Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work.....	1.27	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0185 SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work	2.80	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.56	
09 91 13 00-0186 SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.45	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.52	
For >20,000, Deduct	-0.69	
09 91 13 00-0187 Paint Exterior Wood Floors (09 91 13 00-0173)		
09 91 13 00-0188 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.71	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0189 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.78	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.45	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0191 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0192 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.71	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0193 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.13	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0194 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.47	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0195 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.59	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0196 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.95	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0197 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.36	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0198 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.54	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.18	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.53	
For >20,000, Deduct	-0.71	
09 91 13 00-0199 Paint Site Work <small>(09 91 13)</small>		
Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0200 Paint Structural Steel <small>(09 91 13 00-0199)</small>		
09 91 13 00-0201 Paint Structural Steel, Brush Work <small>(09 91 13 00-0200)</small>		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0202 SF Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work.....	0.88	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.07	
09 91 13 00-0203 SF Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work.....	0.78	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.07	
09 91 13 00-0204 Paint Structural Steel, Spray Work (09 91 13 00-0200)		
09 91 13 00-0205 SF Paint Structural Steel, 1 Field Coat Primer, Spray Work.....	0.57	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.06	
09 91 13 00-0206 SF Paint Structural Steel, 1 Field Coat Paint, Spray Work.....	0.46	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For Epoxy Paint, Add	0.05	
09 91 13 00-0207 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0200)		
09 91 13 00-0208 SF Paint Exposed Metal Decking, 1 Coat Primer, Sprayed.....	0.65	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For Epoxy Paint, Add	0.06	
09 91 13 00-0209 SF Paint Exposed Metal Decking, 1 Coat Paint, Sprayed.....	0.65	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For Epoxy Paint, Add	0.06	
09 91 13 00-0210 SF Paint Exposed Metal Decking, 2 Coats Paint, Sprayed.....	1.08	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For Epoxy Paint, Add	0.11	
09 91 13 00-0211 SF Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work.....	0.90	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.10	
09 91 13 00-0212 SF Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work.....	0.89	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.10	
09 91 13 00-0213 SF Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work.....	1.66	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For Epoxy Paint, Add	0.18	
09 91 13 00-0214 SF Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed.....	0.78	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.08	
09 91 13 00-0215 SF Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed.....	0.78	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.08	
09 91 13 00-0216 SF Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed.....	1.30	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For Epoxy Paint, Add	0.15	
09 91 13 00-0217 Paint Steel Pipes (09 91 13 00-0199)		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0218 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer.....	1.30	
For Electrostatic Painting, Add	0.15	
For Epoxy Paint, Add	0.11	
09 91 13 00-0219 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	1.46	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.12	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0220 LF Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	1.65	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.14	
09 91 13 00-0221 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	2.06	
For Electrostatic Painting, Add	0.24	
For Epoxy Paint, Add	0.18	
09 91 13 00-0222 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.60	
For Electrostatic Painting, Add	0.30	
For Epoxy Paint, Add	0.22	
09 91 13 00-0223 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint	1.30	
For Electrostatic Painting, Add	0.15	
For Epoxy Paint, Add	0.11	
09 91 13 00-0224 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.46	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.12	
09 91 13 00-0225 LF Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.65	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.14	
09 91 13 00-0226 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	2.06	
For Electrostatic Painting, Add	0.24	
For Epoxy Paint, Add	0.18	
09 91 13 00-0227 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	2.60	
For Electrostatic Painting, Add	0.30	
For Epoxy Paint, Add	0.22	
09 91 13 00-0228 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.60	
For Electrostatic Painting, Add	0.32	
For Epoxy Paint, Add	0.25	
09 91 13 00-0229 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	2.91	
For Electrostatic Painting, Add	0.34	
For Epoxy Paint, Add	0.25	
09 91 13 00-0230 LF Paint Steel Pipes 4" Diameter, 2 Coats.....	3.14	
For Electrostatic Painting, Add	0.37	
For Epoxy Paint, Add	0.27	
09 91 13 00-0231 LF Paint Steel Pipes 6" To 8" Diameter, 2 Coats	3.97	
For Electrostatic Painting, Add	0.47	
For Epoxy Paint, Add	0.34	
09 91 13 00-0232 LF Paint Steel Pipes 10" To 12" Diameter, 2 Coats	4.88	
For Electrostatic Painting, Add	0.58	
For Epoxy Paint, Add	0.42	
09 91 13 00-0233 Paint Fencing <small>(09 91 13 00-0199)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0234 SF Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller.....	0.65	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 91 13 00-0235 SF Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	1.20	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
09 91 13 00-0236 SF Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.57	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 91 13 00-0237 SF Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed.....	1.04	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 91 13 00-0238 SF Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.58	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0239 SF Paint Wrought Iron Fence, 1 Coat, Brush/Roller	0.56	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 91 13 00-0240 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.38	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0241 SF Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.80	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
09 91 13 00-0242 SF Paint Picket Fence, 1 Coat, Brush/Roller	0.80	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0243	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.56	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91	13 00-0244	SF	Paint Wood Fences 1 Coat, Brush/Roller.....	0.58	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91	13 00-0245	SF	Paint Wood Fences 2 Coats, Brush/Roller.....	1.01	
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
09 91	13 00-0246	SF	Paint Wood Fences 1 Coat, Sprayed.....	0.45	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
09 91	13 00-0247	SF	Paint Wood Fences 2 Coats, Sprayed.....	0.84	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
09 91	13 00-0248		Paint Metal Louvers (09 91 13 00-0199)		
09 91	13 00-0249	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work.....	1.28	
			<i>For Electrostatic Painting, Add</i>	0.14	
09 91	13 00-0250	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work.....	1.29	
			<i>For Electrostatic Painting, Add</i>	0.14	
09 91	13 00-0251	SF	Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work.....	2.62	
			<i>For Electrostatic Painting, Add</i>	0.29	
09 91	13 00-0252		Paint Ladders (09 91 13 00-0199)		
09 91	13 00-0253	LF	Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	3.65	
			<i>For Epoxy Paint, Add</i>	0.20	
09 91	13 00-0254	LF	Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.07	
			<i>For Epoxy Paint, Add</i>	0.22	
09 91	13 00-0255	LF	Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.08	
			<i>For Epoxy Paint, Add</i>	0.43	
09 91	13 00-0256		Paint Handrails (09 91 13 00-0199)		
09 91	13 00-0257	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.41	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91	13 00-0258	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.57	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0259	LF	Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.62	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0260	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	2.14	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0261	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work.....	2.39	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0262	LF	Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	4.21	
			<i>For Epoxy Paint, Add</i>	0.26	
09 91	13 00-0263	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work.....	2.34	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0264	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.61	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91	13 00-0265	LF	Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work.....	4.52	
			<i>For Epoxy Paint, Add</i>	0.27	
09 91	13 00-0266	LF	Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.46	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91	13 00-0267	LF	Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.62	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91	13 00-0268	LF	Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work.....	2.93	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91	13 00-0269		Paint Grating (09 91 13 00-0199)		
09 91	13 00-0270	SF	Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work.....	2.64	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91	13 00-0271	SF	Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work.....	2.66	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91	13 00-0272	SF	Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	3.95	
			<i>For Epoxy Paint, Add</i>	0.26	
09 91	13 00-0273		Other Site Work Painting (09 91 13 00-0199)		
09 91	13 00-0274		Paint Flagpoles (09 91 13 00-0273)		
09 91	13 00-0275	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint	156.06	
09 91	13 00-0276	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint	209.56	
09 91	13 00-0277	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint	263.08	
09 91	13 00-0278	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint	316.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0279	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint	418.12	
	09 91	13 00-0280	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint	470.94	
	09 91	13 00-0281	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint	523.78	
	09 91	13 00-0282		Paint Lattice Or Trellis (09 91 13 00-0273)		
	09 91	13 00-0283	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.22	
	09 91	13 00-0284	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	2.23	
				<i>For Up To 100, Add</i>	1.55	
				<i>For >100 To 250, Add</i>	0.73	
				<i>For >250 To 500, Add</i>	0.31	
	09 91	13 00-0285		Equipment And Tanks (09 91 13 00-0199)		
	09 91	13 00-0286		Valves, Primer And Finish Coats (09 91 13 00-0285)		
	09 91	13 00-0287	EA	Prime And Paint 4" And Smaller Valve	25.36	
	09 91	13 00-0288	EA	Prime And Paint 6" To 10" Valve	30.81	
	09 91	13 00-0289	EA	Prime And Paint 12" To 18" Valve	40.77	
	09 91	13 00-0290	EA	Prime And Paint 20" To 24" Valve	55.22	
	09 91	13 00-0291	EA	Prime And Paint >24" To 36" Valve	75.13	
	09 91	13 00-0292	EA	Prime And Paint >36" To 48" Valve	101.43	
	09 91	13 00-0293		Pumps And Motors. Primer And Finish Coats (09 91 13 00-0285)		
	09 91	13 00-0294	EA	Prime And Paint Pump Under 1 HP	77.02	
	09 91	13 00-0295	EA	Prime And Paint Pump, 1 HP To 5 HP	99.79	
	09 91	13 00-0296	EA	Prime And Paint Pump, >5 HP To 10 HP	118.06	
	09 91	13 00-0297	EA	Prime And Paint Pump, >10 HP To 20 HP	130.87	
	09 91	13 00-0298	EA	Prime And Paint Pump, >20 HP To 30 HP	152.67	
	09 91	13 00-0299	EA	Prime And Paint Pump, >30 HP To 50 HP	174.50	
	09 91	13 00-0300	EA	Prime And Paint Pump, >50 HP To 75 HP	191.81	
	09 91	13 00-0301	EA	Prime And Paint Pump, >75 HP	218.12	
	09 91	13 00-0302		Storage Tanks (09 91 13 00-0285)		
	09 91	13 00-0303	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller	0.92	
	09 91	13 00-0304	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller	1.17	
	09 91	13 00-0305	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller	2.20	
	09 91	13 00-0306	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller	1.29	
	09 91	13 00-0307	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller	1.60	
	09 91	13 00-0308	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller	3.03	
	09 91	13 00-0309	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray	0.84	
	09 91	13 00-0310	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray	0.96	
	09 91	13 00-0311	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray	1.83	
	09 91	13 00-0312	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray	0.98	
	09 91	13 00-0313	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray	1.24	
	09 91	13 00-0314	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray	2.38	
	09 91	13 00-0315		Paint Exterior Stairs (09 91 13)		
	09 91	13 00-0316		Paint Exterior Concrete Stairs (09 91 13 00-0315)		
	09 91	13 00-0317	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	15.90	
	09 91	13 00-0318	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	15.90	
	09 91	13 00-0319	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	18.91	
	09 91	13 00-0320	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	27.62	
	09 91	13 00-0321	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	31.80	
	09 91	13 00-0322		Paint Exterior Metal Stairs (09 91 13 00-0315)		
	09 91	13 00-0323	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.13	
				<i>For Oil Based Paint, Add</i>	0.43	
	09 91	13 00-0324	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.13	
				<i>For Oil Based Paint, Add</i>	0.43	
	09 91	13 00-0325	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	16.27	
				<i>For Oil Based Paint, Add</i>	0.85	
	09 91	13 00-0326		Paint Exterior Wood Stairs (09 91 13 00-0315)		
	09 91	13 00-0327	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.13	
	09 91	13 00-0328	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.13	
	09 91	13 00-0329	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.14	
	09 91	13 00-0330	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	19.85	
	09 91	13 00-0331	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	16.26	
	09 91	13 00-0332		Paint Exterior Stair Nosing (09 91 13 00-0315)		
	09 91	13 00-0333	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.32	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0334	Paint Exterior Trim <small>(09 91 13)</small>		
09 91 13 00-0335	Paint Exterior Metal Trim And Gutters <small>(09 91 13 00-0334)</small>		
09 91 13 00-0336	SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.10	
09 91 13 00-0337	SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.10	
09 91 13 00-0338	SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.99	
09 91 13 00-0339	SF Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.88	
09 91 13 00-0340	SF Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.99	
09 91 13 00-0341	SF Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.76	
09 91 13 00-0342	LF Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	1.61	
09 91 13 00-0343	LF Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	2.18	
09 91 13 00-0344	Paint Exterior Wood Trim <small>(09 91 13 00-0334)</small>		
09 91 13 00-0345	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.29	
	<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0346	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.40	
	<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0347	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.53	
	<i>For Oil Based Paint, Add</i>	0.15	
09 91 13 00-0348	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.01	
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0349	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.12	
	<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0350	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.09	
	<i>For Oil Based Paint, Add</i>	0.13	
09 91 13 00-0351	Paint Exterior Miscellaneous Metal Surfaces <small>(09 91 13)</small>		
09 91 13 00-0352	SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.17	
	<i>For Epoxy Paint, Add</i>	0.10	
	<i>For Electrostatic Painting, Add</i>	0.14	
09 91 13 00-0353	SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	1.12	
	<i>For Epoxy Paint, Add</i>	0.09	
	<i>For Electrostatic Painting, Add</i>	0.13	
09 91 13 00-0354	SF Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	2.26	
	<i>For Epoxy Paint, Add</i>	0.18	
	<i>For Electrostatic Painting, Add</i>	0.26	
09 91 33	Painting Materials <small>(09 91)</small>		
	Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
09 91 33 00-0001	Primer <small>(09 91 33)</small>		
09 91 33 00-0002	GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	25.10	
09 91 33 00-0003	GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon	24.61	
09 91 33 00-0004	GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon	31.21	
09 91 33 00-0005	GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	57.43	
09 91 33 00-0006	EA Cement Base Primer, 25 LB Sack	25.74	
09 91 33 00-0007	GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	39.68	
09 91 33 00-0008	GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	31.85	
09 91 33 00-0009	GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	24.61	
09 91 33 00-0010	GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	22.36	
09 91 33 00-0011	GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	39.42	
09 91 33 00-0012	GAL Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	32.82	
09 91 33 00-0013	GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	32.82	
09 91 33 00-0014	GAL Latex Wood Primer, Exterior, 300 SF Per Gallon	37.00	
09 91 33 00-0015	GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	24.13	
09 91 33 00-0016	GAL Red Alkyd Primer, 500 SF Per Gallon	42.95	
09 91 33 00-0017	GAL Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	25.74	
09 91 33 00-0018	GAL Zinc Chromate Primer, 300 SF Per Gallon	20.59	
09 91 33 00-0019	GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	53.25	
09 91 33 00-0020	GAL Stain Killer, Alcohol Base	33.21	
09 91 33 00-0021	GAL Sealer, Primer Kilz, 400 SF Per Gallon	37.47	
09 91 33 00-0022	Paint <small>(09 91 33)</small>		
09 91 33 00-0023	GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	18.02	
09 91 33 00-0024	GAL Acrylic Urethane Sealer	89.34	
09 91 33 00-0025	GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type	9.65	
	Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026	GAL Concrete Enamel Epoxy, 350 SF Per Gallon	55.82	
09 91 33 00-0027	GAL Concrete Acrylic Sealer, 400 SF Per Gallon	29.28	
09 91 33 00-0028	GAL Driveway Coating, Tar Emulsion, 120 SF Per Gallon	9.65	
09 91 33 00-0029	GAL Driveway Coating, Acrylic Latex, 250 SF Per Gallon	14.64	
09 91 33 00-0030	GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	29.60	
09 91 33 00-0031	GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon	39.42	
09 91 33 00-0032	GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	32.18	
09 91 33 00-0033	GAL Exterior, Oil Base, Flat	29.49	
09 91 33 00-0034	GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	27.99	
09 91 33 00-0035	GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	32.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0036 GAL Exterior, Latex Flat Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0037 GAL Exterior, Latex Gloss Enamel, Water Base	41.68	
09 91 33 00-0038 GAL Cold Galvanizing Paint.....	176.56	
09 91 33 00-0039 GAL High Heat Paint.....	60.81	
09 91 33 00-0040 GAL Heat Resistant Paint	40.54	
09 91 33 00-0041 GAL Zinc Chromate Paint	36.68	
09 91 33 00-0042 QT Anti-Rust Enamel, 500 SF Per Quart.....	14.48	
09 91 33 00-0043 GAL Rust Inhibitor, Ferrous Metal.....	40.54	
09 91 33 00-0044 GAL Masonry Waterproofing, 100 SF Per Gallon	29.28	
09 91 33 00-0045 GAL Alkyd Latex, Black.....	27.35	
09 91 33 00-0046 GAL Alkyd Latex, White.....	27.35	
09 91 33 00-0047 GAL Alkyd Latex, Colors.....	32.98	
09 91 33 00-0048 QT Wrought Iron Paint, Black	37.00	
09 91 33 00-0049 GAL Vinyl Paint.....	49.23	
09 91 33 00-0050 GAL Silicone Alkyd.....	59.85	
09 91 33 00-0051 GAL 2 Component Solvent Based Acrylic Epoxy.....	60.81	
09 91 33 00-0052 GAL 2 Component Solvent Based Polyester Epoxy	76.26	
09 91 33 00-0053 GAL Chlorinated Rubber.....	55.99	
09 91 33 00-0054 GAL Polyamide Epoxy Sealer.....	57.92	
09 91 33 00-0055 GAL Coal Tar Epoxy.....	41.51	
09 91 33 00-0056 GAL Swimming Pool Enamel, 350 SF Per Gallon.....	51.80	
09 91 33 00-0057 GAL Swimming Pool Epoxy Or Urethane Base	67.57	
09 91 33 00-0058 GAL Swimming Pool Rubber Base	46.33	
09 91 33 00-0059 GAL Interior, Latex Flat Paint, 300 SF Per Gallon	29.44	
09 91 33 00-0060 GAL Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	32.98	
09 91 33 00-0061 GAL Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	60.33	
09 91 33 00-0062 GAL Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	20.43	
09 91 33 00-0063 GAL Linseed Oil.....	17.86	
09 91 33 00-0064 GAL Latex Floor Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0065 GAL Acrylic Floor Paint, 400 SF Per Gallon.....	32.98	
09 91 33 00-0066 GAL Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	30.16	
09 91 33 00-0067 GAL Acoustic Spray-On Texture, Finish	24.24	
09 91 33 00-0068 Stain, Varnish <small>(09 91 33)</small>		
09 91 33 00-0069 GAL Thompson Water Sealer, 150 SF Per Gallon.....	16.73	
09 91 33 00-0070 GAL Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	31.21	
09 91 33 00-0071 GAL Redwood Oil Stain, 300 SF Per Gallon.....	27.83	
09 91 33 00-0072 GAL Varnish, Clear	19.44	
09 91 33 00-0073 GAL Penetrating Water-Repellent Stain.....	14.12	
09 91 33 00-0074 GAL Redwood Hue Or Clear Stain	12.62	
09 91 33 00-0075 GAL Polyurethane.....	22.15	
09 91 33 00-0076 GAL Lacquer, Semi-Gloss	29.37	
09 91 33 00-0077 GAL Shellac, Clear.....	38.52	
09 91 33 00-0078 GAL Acetone.....	12.71	
09 91 33 00-0079 GAL Paint Thinner.....	3.14	
09 91 33 00-0080 GAL Shellac Or Lacquer Thinner	12.87	
09 91 33 00-0081 GAL Turpentine.....	17.70	
09 91 33 00-0082 GAL Wood Filler Paste.....	30.24	
09 91 33 00-0083 GAL Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	24.13	
09 91 43 Surface Preparation <small>(09 91)</small>		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 91 43 00-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 91 43)</small>		
Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
09 91 43 00-0002 Concrete And Masonry Surfaces, Surface Preparation <small>(09 91 43 00-0001)</small>		
09 91 43 00-0003 SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.38	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	
09 91 43 00-0004 SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.61	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0005 SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.64	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.16	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 91 43 00-0006 SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.61	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0007 SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.39	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	
09 91 43 00-0008 SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.12	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.17	
For >30,000, Deduct	-0.22	
09 91 43 00-0009 SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.89	
For Up To 100, Add	3.58	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.45	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.28	
For >30,000, Deduct	-0.37	
09 91 43 00-0010 SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation.....	2.36	
For Heavy Condition Where Multiple Pass Is Required, Add	1.18	
For Up To 100, Add	4.26	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.53	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 15,000, Deduct	-0.23	
For >15,000 To 30,000, Deduct	-0.35	
For >30,000, Deduct	-0.46	
09 91 43 00-0011 Metal Surfaces, Surface Preparation (09 91 43 00-0001)	0.61	
09 91 43 00-0012 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.61	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0013 SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.64	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 91 43 00-0014 SF Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation.....	0.37	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0015 SF Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.07	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.21	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0016 SF Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.38	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0017 SF Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.79	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.15	
09 91 43 00-0018 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.07	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.21	
09 91 43 00-0019 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.59	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.23	
For >30,000, Deduct	-0.31	
09 91 43 00-0020 SF Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation.....	2.66	
For Up To 100, Add	1.73	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.39	
For >30,000, Deduct	-0.51	
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.01	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.29	
For >30,000, Deduct	-0.39	
09 91 43 00-0022 SF Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.49	
For Up To 100, Add	1.60	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.23	
For >15,000 To 30,000, Deduct	-0.36	
For >30,000, Deduct	-0.48	
09 91 43 00-0023 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.23	
For Up To 100, Add	2.08	
For >100 To 250, Add	0.97	
For >250 To 500, Add	0.42	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 15,000, Deduct	-0.30	
For >15,000 To 30,000, Deduct	-0.47	
For >30,000, Deduct	-0.62	
09 91 43 00-0024 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	4.04	
For Up To 100, Add	2.60	
For >100 To 250, Add	1.21	
For >250 To 500, Add	0.52	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 15,000, Deduct	-0.38	
For >15,000 To 30,000, Deduct	-0.59	
For >30,000, Deduct	-0.78	
09 91 43 00-0025 Tile Surfaces (09 91 43 00-0001)		
09 91 43 00-0026 SF Alkaline Cleaner, Brush And Wash Tile Surface.....	0.34	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0027	SF		Up To 5,000 PSI, Pressure Wash Tile Surface	0.27	
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0028			Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0029	SF		Chemical Clean, Brush And Wash Wood Surface	0.49	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0030	SF		Hand Scrape Wood Surface	0.67	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0031	SF		Steam Clean Wood Surface	0.60	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0032	SF		Up To 5,000 PSI, Pressure Wash Wood Surface	0.41	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0033	SF		Sanding Wood Paneling, Boards, Doors, Etcetera	0.71	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.14	
09 91 43 00-0034	SF		Sanding Wood Trim	0.96	
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.19	
09 91 43 00-0035	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.03	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 91 43 00-0036	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat	0.62	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0037	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat	0.72	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.14	

09 91 43 00-0038 Vinyl Siding Surfaces (09 91 43 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0039 SF Hand Wash, Vinyl Siding Surfaces	0.55	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 91 43 00-0040 SF Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.34	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0041 SF Steam Clean, Vinyl Siding Surfaces	0.62	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0042 Prep Work (09 91 43 00-0001)		
09 91 43 00-0043 SF Citrus Strip, Single Applications	0.90	
09 91 43 00-0044 Plaster/Stucco (09 91 43 00-0001)		
Note: Based on total project quantity.		
09 91 43 00-0045 SF Up To 5,000 PSI Pressure Wash Stucco Surfaces	0.44	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 91 43 00-0046 Paint Removal, Strip To Bare Wood (09 91 43 00-0001)		
09 91 43 00-0047 SF Flat Surfaces, Paint Removal, Strip To Bare Wood	6.38	
09 91 43 00-0048 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	6.81	
09 96 High-Performance Coatings (09 90)		
09 96 23 Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001 Anti-Graffiti Painting (09 96 23)		
09 96 23 00-0002 SF Anti-Graffiti Coating System, 1 Coat, Concrete Surface	1.57	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 96 23 00-0003 SF Anti-Graffiti Coating System, 1 Coat, Brick Or Block	1.61	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 96 23 00-0004 SF Anti-Graffiti Coating System, 1 Coat, Tile	1.34	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 96 23 00-0005 SF Anti-Graffiti Coating System, 1 Coat, Metal Or Steel	1.30	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 96 23 00-0006 SF Anti-Graffiti Coating System, 1 Coat, Wood	1.57	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 96 23 00-0007 SF Anti-Graffiti Coating System, 1 Coat, Painted Surface	1.42	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 96 23 00-0008 SF Anti-Graffiti Coating System, 2 Coats, Concrete Surface	2.98	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 96 23 00-0009 SF Anti-Graffiti Coating System, 2 Coats, Brick Or Block	3.06	
For Up To 100, Add	1.45	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.32	

09 Finishes**09 90 Painting And Coating****09 96 High-Performance Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 23 00-0010	SF		Anti-Graffiti Coating System, 2 Coats, Tile.....	2.53	
			<i>For Up To 100, Add</i>	1.37	
			<i>For >100 To 250, Add</i>	0.67	
			<i>For >250 To 500, Add</i>	0.29	
09 96 23 00-0011	SF		Anti-Graffiti Coating System, 2 Coats, Metal Or Steel.....	2.45	
			<i>For Up To 100, Add</i>	1.36	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.29	
09 96 23 00-0012	SF		Anti-Graffiti Coating System, 2 Coats, Wood.....	2.95	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 250, Add</i>	0.71	
			<i>For >250 To 500, Add</i>	0.31	
09 96 23 00-0013	SF		Anti-Graffiti Coating System, 2 Coats, Painted Surface.....	2.68	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 250, Add</i>	0.68	
			<i>For >250 To 500, Add</i>	0.30	
09 96 53			Elastomeric Coatings <small>(09 96)</small>		
09 96 53 00-0001			Elastomeric <small>(09 96 53)</small>		
			Note: Per coat.		
09 96 53 00-0002	SF		Paint, Brush, Elastomeric, Per Coat.....	2.05	
			<i>For Work >20', Add</i>	0.35	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	1.14	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.21	
			<i>For >10,000 To 20,000, Deduct</i>	-0.31	
			<i>For >20,000, Deduct</i>	-0.41	
09 96 53 00-0003	SF		Paint, Roller, Elastomeric, Per Coat.....	1.64	
			<i>For Work >20', Add</i>	0.24	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	0.83	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.25	
			<i>For >20,000, Deduct</i>	-0.33	
09 96 53 00-0004	SF		Paint, Conventional Spray, Elastomeric, Per Coat.....	1.57	
			<i>For Work >20', Add</i>	0.20	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.31	
09 96 53 00-0005	SF		Paint, Airless Spray, Elastomeric, Per Coat.....	1.41	
			<i>For Work >20', Add</i>	0.16	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 96 56			Epoxy Coatings <small>(09 96)</small>		
09 96 56 00-0001			High Build Epoxy <small>(09 96 56)</small>		
09 96 56 00-0002	SF		High Build Epoxy - 50 Mil.....	2.58	
09 96 56 00-0003			Laminated Epoxy With Fiberglass <small>(09 96 56)</small>		
09 96 56 00-0004	SF		Laminated Epoxy With Fiberglass.....	4.88	
09 96 66			Aggregate Wall Coatings <small>(09 96)</small>		
09 96 66 00-0001			Troweled On <small>(09 96 66)</small>		
09 96 66 00-0002	SF		Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.46	
09 96 66 00-0003	SF		Exposed Aggregate - 1/2" To 5/8" Troweled On.....	6.22	
09 96 66 00-0004	SF		Exposed Aggregate - 1" Troweled On.....	9.26	
09 96 66 00-0005			Sprayed On <small>(09 96 66)</small>		
09 96 66 00-0006	SF		Exposed Aggregate - 1/8" - Sprayed On.....	2.81	



Finishes	09	9
Painting And Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 Special Coatings (09 90)

09 97 13 Steel Coatings (09 97)

09 97 13 23 Exterior Steel Coatings (09 97 13)

<p>09 97 13 23-0001 Surface Preparation For Tanks And Structural Steel (09 97 13 23) Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.</p> <p>09 97 13 23-0002 SSSP SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation (09 97 13 23-0001)</p>	<p>09 97 13 23-0003 SF Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.31 For Up To 100, Add 0.98 For >100 To 250, Add 0.46 For >250 To 500, Add 0.20</p> <p>09 97 13 23-0004 SF Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.25 For Up To 100, Add 0.94 For >100 To 250, Add 0.44 For >250 To 500, Add 0.19</p> <p>09 97 13 23-0005 SF Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.25 For Up To 100, Add 0.94 For >100 To 250, Add 0.44 For >250 To 500, Add 0.19</p> <p>09 97 13 23-0006 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.25 For Up To 100, Add 0.94 For >100 To 250, Add 0.44 For >250 To 500, Add 0.19</p> <p>09 97 13 23-0007 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.10 For Up To 100, Add 0.83 For >100 To 250, Add 0.39 For >250 To 500, Add 0.17</p> <p>09 97 13 23-0008 SF Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.69 For Up To 100, Add 1.27 For >100 To 250, Add 0.59 For >250 To 500, Add 0.25</p> <p>09 97 13 23-0009 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....1.56 For Up To 100, Add 1.17 For >100 To 250, Add 0.55 For >250 To 500, Add 0.23</p>
<p>09 97 13 23-0010 SSSP SP7 Brush Off Blast Cleaning Surface Preparation (09 97 13 23-0001)</p>	<p>09 97 13 23-0011 SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation .....0.99 For Up To 100, Add 0.65 For >100 To 250, Add 0.31 For >250 To 500, Add 0.13</p> <p>09 97 13 23-0012 SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation .....0.88 For Up To 100, Add 0.58 For >100 To 250, Add 0.27 For >250 To 500, Add 0.12</p> <p>09 97 13 23-0013 SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation .....0.86 For Up To 100, Add 0.57 For >100 To 250, Add 0.27 For >250 To 500, Add 0.12</p> <p>09 97 13 23-0014 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....0.83 For Up To 100, Add 0.55 For >100 To 250, Add 0.26 For >250 To 500, Add 0.11</p> <p>09 97 13 23-0015 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....0.68 For Up To 100, Add 0.46 For >100 To 250, Add 0.22 For >250 To 500, Add 0.09</p> <p>09 97 13 23-0016 SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation .....1.22 For Up To 100, Add 0.82 For >100 To 250, Add 0.39 For >250 To 500, Add 0.17</p> <p>09 97 13 23-0017 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation .....1.14 For Up To 100, Add 0.80 For >100 To 250, Add 0.38 For >250 To 500, Add 0.16</p>
<p>09 97 13 23-0018 SSSP SP6 Commercial Blast Cleaning Surface Preparation (09 97 13 23-0001)</p>	<p>09 97 13 23-0019 SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation .....2.50 For Up To 100, Add 1.71 For >100 To 250, Add 0.81 For >250 To 500, Add 0.35</p> <p>09 97 13 23-0020 SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation .....2.19 For Up To 100, Add 1.49 For >100 To 250, Add 0.70 For >250 To 500, Add 0.30</p>

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0021	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.05	
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
09 97 13 23-0022	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.05	
			For Up To 100, Add	1.38	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
09 97 13 23-0023	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	1.88	
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
09 97 13 23-0024	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.11	
			For Up To 100, Add	2.16	
			For >100 To 250, Add	1.02	
			For >250 To 500, Add	0.44	
09 97 13 23-0025	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation.....	2.69	
			For Up To 100, Add	1.86	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 23-0026			SSPC SP5 White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0027	SF		Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.85	
			For Up To 100, Add	3.35	
			For >100 To 250, Add	1.58	
			For >250 To 500, Add	0.68	
09 97 13 23-0028	SF		Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.17	
			For Up To 100, Add	2.86	
			For >100 To 250, Add	1.35	
			For >250 To 500, Add	0.58	
09 97 13 23-0029	SF		Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.83	
			For Up To 100, Add	2.61	
			For >100 To 250, Add	1.23	
			For >250 To 500, Add	0.53	
09 97 13 23-0030	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.67	
			For Up To 100, Add	2.49	
			For >100 To 250, Add	1.18	
			For >250 To 500, Add	0.51	
09 97 13 23-0031	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.50	
			For Up To 100, Add	2.37	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.48	
09 97 13 23-0032	SF		Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.82	
			For Up To 100, Add	4.08	
			For >100 To 250, Add	1.92	
			For >250 To 500, Add	0.83	
09 97 13 23-0033	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	5.04	
			For Up To 100, Add	3.52	
			For >100 To 250, Add	1.66	
			For >250 To 500, Add	0.71	
09 97 13 23-0034			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0035	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.62	
			For Up To 100, Add	2.49	
			For >100 To 250, Add	1.17	
			For >250 To 500, Add	0.51	
09 97 13 23-0036	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.09	
			For Up To 100, Add	2.11	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
09 97 13 23-0037	SF		Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.93	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
09 97 13 23-0038	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.92	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
09 97 13 23-0039	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.92	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
09 97 13 23-0040	SF		Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.22	
			For Up To 100, Add	2.96	
			For >100 To 250, Add	1.39	
			For >250 To 500, Add	0.60	
09 97 13 23-0041	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.21	
			For Up To 100, Add	2.96	
			For >100 To 250, Add	1.39	
			For >250 To 500, Add	0.60	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0042 Protective Coatings For Tanks And Structural Steel <small>(09 97 13 23)</small>		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97 13 23-0043 1.5 Mil Prime Coat For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.88	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.65	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.57	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 23-0047 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.50	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 97 13 23-0048 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.41	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 97 13 23-0049 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.05	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 97 13 23-0050 SF Spray Tank Interior 1.5 Mil Prime Coat.....	1.00	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 23-0051 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.38	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0052 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	1.00	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 23-0053 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.89	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 23-0054 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.77	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 23-0055 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.61	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 97 13 23-0056 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.67	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0057 SF Brush Tank Interior 1.5 Mil Prime Coat.....	1.59	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0058 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0059 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.57	
For Up To 100, Add	1.74	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.35	
09 97 13 23-0060 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.83	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 23-0061 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.69	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0062 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.47	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0063 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.11	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0064 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.15	
For Up To 100, Add	2.17	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.44	
09 97 13 23-0065 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.81	
For Up To 100, Add	1.95	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.39	
09 97 13 23-0066 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.93	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 23-0067 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.37	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 23-0068 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.27	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0069 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.11	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 23-0070 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.84	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 97 13 23-0071 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.36	
For Up To 100, Add	1.63	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0072 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.10	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0073 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.37	
For Up To 100, Add	3.09	
For >100 To 250, Add	1.45	
For >250 To 500, Add	0.62	
09 97 13 23-0074 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.07	
For Up To 100, Add	2.13	
For >100 To 250, Add	1.00	
For >250 To 500, Add	0.43	
09 97 13 23-0075 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.81	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.39	
09 97 13 23-0076 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.42	
For Up To 100, Add	1.65	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
09 97 13 23-0077 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.79	
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0078 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.39	
For Up To 100, Add	3.85	
For >100 To 250, Add	1.81	
For >250 To 500, Add	0.78	
09 97 13 23-0079 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.83	
For Up To 100, Add	3.46	
For >100 To 250, Add	1.62	
For >250 To 500, Add	0.70	
09 97 13 23-0080 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.27	
For Up To 100, Add	2.31	
For >100 To 250, Add	1.09	
For >250 To 500, Add	0.47	
09 97 13 23-0081 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.30	
For Up To 100, Add	1.60	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
09 97 13 23-0082 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.11	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0083 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.82	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.25	



Finishes	09	2
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0084 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.34	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0085 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	4.04	
For Up To 100, Add	2.89	
For >100 To 250, Add	1.35	
For >250 To 500, Add	0.58	
09 97 13 23-0086 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.63	
For Up To 100, Add	2.60	
For >100 To 250, Add	1.22	
For >250 To 500, Add	0.52	
09 97 13 23-0087 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel		
<i>(09 97 13 23-0042)</i>		
09 97 13 23-0088 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.99	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0089 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.61	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 23-0090 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.48	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0091 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.33	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0092 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.12	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 23-0093 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.49	
For Up To 100, Add	1.73	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
09 97 13 23-0094 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.96	
For Up To 100, Add	2.10	
For >100 To 250, Add	0.99	
For >250 To 500, Add	0.42	
09 97 13 23-0095 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.27	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0096 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.04	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 23-0097 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.94	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 23-0098 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.85	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
09 97 13 23-0099 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.72	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
09 97 13 23-0100 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.60	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0101 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	1.89	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
09 97 13 23-0102 SF Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.11	
For Up To 100, Add	2.20	
For >100 To 250, Add	1.03	
For >250 To 500, Add	0.44	
09 97 13 23-0103 SF Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.51	
For Up To 100, Add	1.76	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 23-0104 SF Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.28	
For Up To 100, Add	1.59	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0105	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.05	
			For Up To 100, Add	1.42	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 23-0106	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.71	
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0107	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.93	
			For Up To 100, Add	2.81	
			For >100 To 250, Add	1.32	
			For >250 To 500, Add	0.57	
09 97 13 23-0108	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.07	
			For Up To 100, Add	3.72	
			For >100 To 250, Add	1.74	
			For >250 To 500, Add	0.75	
09 97 13 23-0109	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.99	
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.28	
09 97 13 23-0110	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.61	
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
09 97 13 23-0111	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.47	
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
09 97 13 23-0112	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.32	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 23-0113	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.09	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 97 13 23-0114	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.52	
			For Up To 100, Add	1.80	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
09 97 13 23-0115	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.29	
			For Up To 100, Add	2.39	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.48	
09 97 13 23-0116			2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0117	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.16	
			For Up To 100, Add	2.00	
			For >100 To 250, Add	0.95	
			For >250 To 500, Add	0.41	
09 97 13 23-0118	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.27	
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
09 97 13 23-0119	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.98	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0120	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.83	
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
09 97 13 23-0121	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.54	
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
09 97 13 23-0122	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.62	
			For Up To 100, Add	2.33	
			For >100 To 250, Add	1.10	
			For >250 To 500, Add	0.48	
09 97 13 23-0123	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.22	
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 23-0124	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.58	
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
09 97 13 23-0125	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.39	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 97	13 23-0126	SF		Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.28		
				For Up To 100, Add	0.73		
				For >100 To 250, Add	0.35		
				For >250 To 500, Add	0.15		
09 97	13 23-0127	SF		Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.08		
				For Up To 100, Add	0.58		
				For >100 To 250, Add	0.28		
				For >250 To 500, Add	0.12		
09 97	13 23-0128	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.53		
				For Up To 100, Add	1.63		
				For >100 To 250, Add	0.77		
				For >250 To 500, Add	0.33		
09 97	13 23-0129	2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>					
09 97	13 23-0130	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.34		
				For Up To 100, Add	2.03		
				For >100 To 250, Add	0.97		
				For >250 To 500, Add	0.42		
09 97	13 23-0131	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.43		
				For Up To 100, Add	1.38		
				For >100 To 250, Add	0.67		
				For >250 To 500, Add	0.29		
09 97	13 23-0132	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.14		
				For Up To 100, Add	1.17		
				For >100 To 250, Add	0.57		
				For >250 To 500, Add	0.25		
09 97	13 23-0133	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.99		
				For Up To 100, Add	1.07		
				For >100 To 250, Add	0.52		
				For >250 To 500, Add	0.23		
09 97	13 23-0134	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.70		
				For Up To 100, Add	0.85		
				For >100 To 250, Add	0.42		
				For >250 To 500, Add	0.18		
09 97	13 23-0135	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.80		
				For Up To 100, Add	2.35		
				For >100 To 250, Add	1.12		
				For >250 To 500, Add	0.49		
09 97	13 23-0136	SF		Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.75		
				For Up To 100, Add	1.67		
				For >100 To 250, Add	0.80		
				For >250 To 500, Add	0.35		
09 97	13 23-0137	SF		Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.99		
				For Up To 100, Add	1.13		
				For >100 To 250, Add	0.55		
				For >250 To 500, Add	0.24		
09 97	13 23-0138	SF		Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.76		
				For Up To 100, Add	0.96		
				For >100 To 250, Add	0.47		
				For >250 To 500, Add	0.20		
09 97	13 23-0139	SF		Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.62		
				For Up To 100, Add	0.87		
				For >100 To 250, Add	0.42		
				For >250 To 500, Add	0.19		
09 97	13 23-0140	SF		Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.39		
				For Up To 100, Add	0.69		
				For >100 To 250, Add	0.34		
				For >250 To 500, Add	0.15		
09 97	13 23-0141	SF		Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	3.12		
				For Up To 100, Add	1.93		
				For >100 To 250, Add	0.92		
				For >250 To 500, Add	0.40		
09 97	13 23-0142	1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>					
09 97	13 23-0143	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.05		
				For Up To 100, Add	4.36		
				For >100 To 250, Add	2.08		
				For >250 To 500, Add	0.90		
09 97	13 23-0144	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.27		
				For Up To 100, Add	3.12		
				For >100 To 250, Add	1.50		
				For >250 To 500, Add	0.65		
09 97	13 23-0145	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.05		
				For Up To 100, Add	2.96		
				For >100 To 250, Add	1.42		
				For >250 To 500, Add	0.62		
09 97	13 23-0146	SF		Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.87		
				For Up To 100, Add	2.85		
				For >100 To 250, Add	1.37		
				For >250 To 500, Add	0.60		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0147 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.45	
For Up To 100, Add	2.53	
For >100 To 250, Add	1.22	
For >250 To 500, Add	0.53	
09 97 13 23-0148 SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.29	
For Up To 100, Add	5.28	
For >100 To 250, Add	2.51	
For >250 To 500, Add	1.09	
09 97 13 23-0149 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.70	
For Up To 100, Add	4.97	
For >100 To 250, Add	2.36	
For >250 To 500, Add	1.02	
09 97 13 23-0150 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0151 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.63	
For Up To 100, Add	2.11	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.44	
09 97 13 23-0152 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.78	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.32	
09 97 13 23-0153 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.64	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.30	
09 97 13 23-0154 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.48	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0155 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.18	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 23-0156 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.16	
For Up To 100, Add	2.49	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.52	
09 97 13 23-0157 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.87	
For Up To 100, Add	2.36	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 23-0158 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.87	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.35	
09 97 13 23-0159 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.20	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 23-0160 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.09	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0161 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.96	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 23-0162 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.72	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
09 97 13 23-0163 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	3.29	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.94	
For >250 To 500, Add	0.41	
09 97 13 23-0164 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	3.06	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
09 97 13 23-0165 Two 8 Mil Coal Tar Epoxy Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0166 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.19	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.97	
For >250 To 500, Add	0.42	
09 97 13 23-0167 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.57	
For Up To 100, Add	1.62	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0168 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.36	
<i>For Up To 100, Add</i>	1.46	
<i>For >100 To 250, Add</i>	0.70	
<i>For >250 To 500, Add</i>	0.30	
09 97 13 23-0169 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.35	
<i>For Up To 100, Add</i>	1.46	
<i>For >100 To 250, Add</i>	0.70	
<i>For >250 To 500, Add</i>	0.30	
09 97 13 23-0170 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.92	
<i>For Up To 100, Add</i>	1.13	
<i>For >100 To 250, Add</i>	0.54	
<i>For >250 To 500, Add</i>	0.24	
09 97 13 23-0171 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	3.99	
<i>For Up To 100, Add</i>	2.63	
<i>For >100 To 250, Add</i>	1.25	
<i>For >250 To 500, Add</i>	0.54	
09 97 13 23-0172 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	3.05	
<i>For Up To 100, Add</i>	1.98	
<i>For >100 To 250, Add</i>	0.94	
<i>For >250 To 500, Add</i>	0.41	
09 97 13 23-0173 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0174 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.12	
<i>For Up To 100, Add</i>	2.08	
<i>For >100 To 250, Add</i>	0.98	
<i>For >250 To 500, Add</i>	0.42	
09 97 13 23-0175 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.18	
<i>For Up To 100, Add</i>	1.39	
<i>For >100 To 250, Add</i>	0.66	
<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0176 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.82	
<i>For Up To 100, Add</i>	1.12	
<i>For >100 To 250, Add</i>	0.53	
<i>For >250 To 500, Add</i>	0.23	
09 97 13 23-0177 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.60	
<i>For Up To 100, Add</i>	0.96	
<i>For >100 To 250, Add</i>	0.46	
<i>For >250 To 500, Add</i>	0.20	
09 97 13 23-0178 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.46	
<i>For Up To 100, Add</i>	0.86	
<i>For >100 To 250, Add</i>	0.41	
<i>For >250 To 500, Add</i>	0.18	
09 97 13 23-0179 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.58	
<i>For Up To 100, Add</i>	2.40	
<i>For >100 To 250, Add</i>	1.14	
<i>For >250 To 500, Add</i>	0.49	
09 97 13 23-0180 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.52	
<i>For Up To 100, Add</i>	1.65	
<i>For >100 To 250, Add</i>	0.78	
<i>For >250 To 500, Add</i>	0.34	
09 97 13 23-0181 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 23-0042)		
09 97 13 23-0182 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.58	
<i>For Up To 100, Add</i>	2.24	
<i>For >100 To 250, Add</i>	1.07	
<i>For >250 To 500, Add</i>	0.46	
09 97 13 23-0183 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	2.09	
<i>For Up To 100, Add</i>	1.16	
<i>For >100 To 250, Add</i>	0.56	
<i>For >250 To 500, Add</i>	0.25	
09 97 13 23-0184 One 3 Mil High Zinc Silicate Coat For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0185 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.59	
<i>For Up To 100, Add</i>	0.92	
<i>For >100 To 250, Add</i>	0.44	
<i>For >250 To 500, Add</i>	0.19	
09 97 13 23-0186 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.12	
<i>For Up To 100, Add</i>	0.59	
<i>For >100 To 250, Add</i>	0.29	
<i>For >250 To 500, Add</i>	0.13	
09 97 13 23-0187 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.05	
<i>For Up To 100, Add</i>	0.54	
<i>For >100 To 250, Add</i>	0.27	
<i>For >250 To 500, Add</i>	0.12	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0188 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	0.97	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 97 13 23-0189 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.94	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0190 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	1.67	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0191 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.60	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0192 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks And Structural Steel ^(09 97 13 23-0042)		
Note: Installed over existing primer.		
09 97 13 23-0193 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.51	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
09 97 13 23-0194 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.03	
For Up To 100, Add	1.23	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
09 97 13 23-0195 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.76	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 23-0196 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.67	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0197 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.46	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0198 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	2.96	
For Up To 100, Add	1.89	
For >100 To 250, Add	0.90	
For >250 To 500, Add	0.39	
09 97 13 23-0199 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.37	
For Up To 100, Add	1.50	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 23-0200 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks ^(09 97 13 23-0042)		
09 97 13 23-0201 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	6.33	
For Up To 100, Add	4.17	
For >100 To 250, Add	1.98	
For >250 To 500, Add	0.85	
09 97 26 Cementitious Coatings ^(09 97)		
09 97 26 13 Interior Cementitious Coatings ^(09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating ^(09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious ^(09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	2.21	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base ^(09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin	1.87	
09 97 63 Special Coatings ^(09 97)		
09 97 63 00-0001 Acrylic Glazed Coating ^(09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating.....	1.45	

END OF SECTION 09



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 14 Signage ^(10 10)

10 14 53 Traffic Signage ^(10 14)

10 14 53 00-0001 Traffic Signs ^(10 14 53)

10 14 53 00-0002 ReflectORIZED Stop Signs And Other Traffic Signs ^(10 14 53 00-0001)

Note: Excludes posts.

10 14 53 00-0003 Aluminum Engineer Grade Stop Signs ^(10 14 53 00-0002)

10 14 53 00-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign	53.00		15.77
	For Hi-Intensity Grade, Add	6.44		
	For Diamond Grade, Add	12.23		
10 14 53 00-0005	EA 18" x 24" Aluminum Engineer Grade Stop Sign	61.34		16.68
	For Hi-Intensity Grade, Add	8.42		
	For Diamond Grade, Add	15.99		
10 14 53 00-0006	EA 24" x 24" Aluminum Engineer Grade Stop Sign	66.40		17.52
	For Hi-Intensity Grade, Add	12.85		
	For Diamond Grade, Add	20.38		
10 14 53 00-0007	EA 30" x 30" Aluminum Engineer Grade Stop Sign	76.95		18.44
	For Hi-Intensity Grade, Add	4.82		
	For Diamond Grade, Add	26.10		
10 14 53 00-0008	EA 36" x 36" Aluminum Engineer Grade Stop Sign	102.90		19.28
	For Hi-Intensity Grade, Add	14.16		
	For Diamond Grade, Add	44.40		

10 14 53 00-0009 Other ReflectORIZED Traffic Signs ^(10 14 53 00-0002)

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs ^(10 14 53 00-0009)

10 14 53 00-0011	EA 6" x 12" Aluminum Engineer Grade Traffic Sign	33.35		14.02
	For Hi-Intensity Grade, Add	1.59		
10 14 53 00-0012	EA 6" x 18" Aluminum Engineer Grade Traffic Sign	36.01		14.02
	For Hi-Intensity Grade, Add	2.39		
10 14 53 00-0013	EA 9" x 12" Aluminum Engineer Grade Traffic Sign	36.01		14.02
	For Hi-Intensity Grade, Add	2.39		
10 14 53 00-0014	EA 9" x 15" Aluminum Engineer Grade Traffic Sign	38.00		14.02
	For Hi-Intensity Grade, Add	2.99		
10 14 53 00-0015	EA 9" x 18" Aluminum Engineer Grade Traffic Sign	40.00		14.02
	For Hi-Intensity Grade, Add	3.59		
10 14 53 00-0016	EA 9" x 24" Aluminum Engineer Grade Traffic Sign	45.73		14.90
	For Hi-Intensity Grade, Add	4.78		
10 14 53 00-0017	EA 9" x 48" Aluminum Engineer Grade Traffic Sign	61.67		14.90
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0018	EA 12" x 12" Aluminum Engineer Grade Traffic Sign	38.67		14.02
	For Hi-Intensity Grade, Add	3.19		
10 14 53 00-0019	EA 12" x 18" Aluminum Engineer Grade Traffic Sign	45.73		14.90
	For Hi-Intensity Grade, Add	4.78		
10 14 53 00-0020	EA 12" x 24" Aluminum Engineer Grade Traffic Sign	51.04		14.90
	For Hi-Intensity Grade, Add	6.38		
10 14 53 00-0021	EA 12" x 30" Aluminum Engineer Grade Traffic Sign	56.36		14.90
	For Hi-Intensity Grade, Add	7.97		
10 14 53 00-0022	EA 12" x 36" Aluminum Engineer Grade Traffic Sign	61.67		14.90
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0023	EA 18" x 18" Aluminum Engineer Grade Traffic Sign	53.70		14.90
	For Hi-Intensity Grade, Add	7.17		
10 14 53 00-0024	EA 18" x 24" Aluminum Engineer Grade Traffic Sign	61.67		14.90
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0025	EA 18" x 30" Aluminum Engineer Grade Traffic Sign	71.40		15.77
	For Hi-Intensity Grade, Add	11.96		
10 14 53 00-0026	EA 18" x 36" Aluminum Engineer Grade Traffic Sign	79.37		15.77
	For Hi-Intensity Grade, Add	14.35		
10 14 53 00-0027	EA 18" x 48" Aluminum Engineer Grade Traffic Sign	102.31		19.28
	For Hi-Intensity Grade, Add	19.13		
10 14 53 00-0028	EA 18" x 54" Aluminum Engineer Grade Traffic Sign	110.28		19.28
	For Hi-Intensity Grade, Add	21.52		
10 14 53 00-0029	EA 24" x 24" Aluminum Engineer Grade Traffic Sign	74.06		15.77
	For Hi-Intensity Grade, Add	12.75		
10 14 53 00-0030	EA 24" x 30" Aluminum Engineer Grade Traffic Sign	84.69		15.77
	For Hi-Intensity Grade, Add	15.94		
10 14 53 00-0031	EA 24" x 36" Aluminum Engineer Grade Traffic Sign	95.31		15.77
	For Hi-Intensity Grade, Add	19.13		
10 14 53 00-0032	EA 24" x 42" Aluminum Engineer Grade Traffic Sign	112.94		19.28
	For Hi-Intensity Grade, Add	22.32		
10 14 53 00-0033	EA 24" x 48" Aluminum Engineer Grade Traffic Sign	123.57		19.28
	For Hi-Intensity Grade, Add	25.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	134.19 28.69	19.28
10 14 53 00-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	144.82 31.88	19.28
10 14 53 00-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	97.97 19.93	15.77
10 14 53 00-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	118.25 23.91	19.28
10 14 53 00-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	131.54 27.90	19.28
10 14 53 00-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	151.83 31.88	22.78
10 14 53 00-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	185.41 39.85	26.28
10 14 53 00-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	134.19 28.69	19.28
10 14 53 00-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	157.15 33.48	22.78
10 14 53 00-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	180.10 38.26	26.28
10 14 53 00-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	196.04 43.04	26.28
10 14 53 00-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	219.00 47.82	29.79
10 14 53 00-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	260.55 58.19	33.29
10 14 53 00-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	273.83 62.17	33.29
10 14 53 00-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign..... <i>For Hi-Intensity Grade, Add</i>	364.04 86.08	38.55
10 14 53 00-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	182.75 39.05	26.28
10 14 53 00-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	229.63 51.01	29.79
10 14 53 00-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	257.89 57.39	33.29
10 14 53 00-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	279.14 63.76	33.29
10 14 53 00-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	310.91 70.14	38.55
10 14 53 00-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	332.16 76.52	38.55
10 14 53 00-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	381.68 89.27	42.06
10 14 53 00-0056 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	424.19 102.02	42.06
10 14 53 00-0057 EA 48" x 102" Aluminum Engineer Grade Traffic Sign..... <i>For Hi-Intensity Grade, Add</i>	445.44 108.40	42.06
10 14 53 00-0058 EA 48" x 108" Aluminum Engineer Grade Traffic Sign..... <i>For Hi-Intensity Grade, Add</i>	470.20 114.77	43.81
10 14 53 00-0059 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	402.94 95.65	42.06
10 14 53 00-0060 EA 72" x 144" Aluminum Engineer Grade Traffic Sign..... <i>For Hi-Intensity Grade, Add</i>	877.32 229.55	56.07
10 14 53 00-0061 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	640.23 165.78	43.81
10 14 53 00-0062 Non-Reflectorized Traffic Signs <small>(10 14 53 00-0001)</small> Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs <small>(10 14 53 00-0062)</small>		
10 14 53 00-0064 EA 6" x 12" Steel Non Reflectorized Traffic Sign	32.63	14.02
10 14 53 00-0065 EA 6" x 18" Steel Non Reflectorized Traffic Sign	34.93	14.02
10 14 53 00-0066 EA 9" x 12" Steel Non Reflectorized Traffic Sign	34.93	14.02
10 14 53 00-0067 EA 9" x 15" Steel Non Reflectorized Traffic Sign	36.65	14.02
10 14 53 00-0068 EA 9" x 18" Steel Non Reflectorized Traffic Sign	38.38	14.02
10 14 53 00-0069 EA 9" x 24" Steel Non Reflectorized Traffic Sign	43.57	14.90
10 14 53 00-0070 EA 9" x 48" Steel Non Reflectorized Traffic Sign	57.35	14.90
10 14 53 00-0071 EA 12" x 12" Steel Non Reflectorized Traffic Sign	37.23	14.02
10 14 53 00-0072 EA 12" x 18" Steel Non Reflectorized Traffic Sign	43.57	14.90
10 14 53 00-0073 EA 12" x 24" Steel Non Reflectorized Traffic Sign	48.16	14.90
10 14 53 00-0074 EA 12" x 30" Steel Non Reflectorized Traffic Sign	52.76	14.90
10 14 53 00-0075 EA 12" x 36" Steel Non Reflectorized Traffic Sign	57.35	14.90
10 14 53 00-0076 EA 18" x 18" Steel Non Reflectorized Traffic Sign	50.46	14.90
10 14 53 00-0077 EA 18" x 24" Steel Non Reflectorized Traffic Sign	57.35	14.90
10 14 53 00-0078 EA 18" x 30" Steel Non Reflectorized Traffic Sign	66.00	15.77
10 14 53 00-0079 EA 18" x 36" Steel Non Reflectorized Traffic Sign	72.89	15.77
10 14 53 00-0080 EA 18" x 48" Steel Non Reflectorized Traffic Sign	93.67	19.28
10 14 53 00-0081 EA 18" x 54" Steel Non Reflectorized Traffic Sign	100.56	19.28
10 14 53 00-0082 EA 24" x 24" Steel Non Reflectorized Traffic Sign	68.30	15.77
10 14 53 00-0083 EA 24" x 30" Steel Non Reflectorized Traffic Sign	77.49	15.77
10 14 53 00-0084 EA 24" x 36" Steel Non Reflectorized Traffic Sign	86.67	15.77



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0085 EA 24" x 42" Steel Non ReflectORIZED Traffic Sign.....	102.86	19.28
10 14 53 00-0086 EA 24" x 48" Steel Non ReflectORIZED Traffic Sign.....	112.05	19.28
10 14 53 00-0087 EA 24" x 54" Steel Non ReflectORIZED Traffic Sign.....	121.23	19.28
10 14 53 00-0088 EA 24" x 60" Steel Non ReflectORIZED Traffic Sign.....	130.42	19.28
10 14 53 00-0089 EA 30" x 30" Steel Non ReflectORIZED Traffic Sign.....	88.97	15.77
10 14 53 00-0090 EA 30" x 36" Steel Non ReflectORIZED Traffic Sign.....	107.45	19.28
10 14 53 00-0091 EA 30" x 42" Steel Non ReflectORIZED Traffic Sign.....	118.94	19.28
10 14 53 00-0092 EA 30" x 48" Steel Non ReflectORIZED Traffic Sign.....	137.43	22.78
10 14 53 00-0093 EA 30" x 60" Steel Non ReflectORIZED Traffic Sign.....	167.41	26.28
10 14 53 00-0094 EA 36" x 36" Steel Non ReflectORIZED Traffic Sign.....	121.23	19.28
10 14 53 00-0095 EA 36" x 42" Steel Non ReflectORIZED Traffic Sign.....	142.03	22.78
10 14 53 00-0096 EA 36" x 48" Steel Non ReflectORIZED Traffic Sign.....	162.82	26.28
10 14 53 00-0097 EA 36" x 54" Steel Non ReflectORIZED Traffic Sign.....	176.60	26.28
10 14 53 00-0098 EA 36" x 60" Steel Non ReflectORIZED Traffic Sign.....	197.40	29.79
10 14 53 00-0099 EA 36" x 73" Steel Non ReflectORIZED Traffic Sign.....	234.27	33.29
10 14 53 00-0100 EA 36" x 78" Steel Non ReflectORIZED Traffic Sign.....	245.75	33.29
10 14 53 00-0101 EA 36" x 108" Steel Non ReflectORIZED Traffic Sign.....	325.16	38.55
10 14 53 00-0102 EA 42" x 42" Steel Non ReflectORIZED Traffic Sign.....	165.11	26.28
10 14 53 00-0103 EA 48" x 48" Steel Non ReflectORIZED Traffic Sign.....	206.59	29.79
10 14 53 00-0104 EA 48" x 54" Steel Non ReflectORIZED Traffic Sign.....	231.97	33.29
10 14 53 00-0105 EA 48" x 60" Steel Non ReflectORIZED Traffic Sign.....	250.34	33.29
10 14 53 00-0106 EA 48" x 66" Steel Non ReflectORIZED Traffic Sign.....	279.23	38.55
10 14 53 00-0107 EA 48" x 72" Steel Non ReflectORIZED Traffic Sign.....	297.60	38.55
10 14 53 00-0108 EA 48" x 84" Steel Non ReflectORIZED Traffic Sign.....	341.36	42.06
10 14 53 00-0109 EA 48" x 96" Steel Non ReflectORIZED Traffic Sign.....	378.11	42.06
10 14 53 00-0110 EA 48" x 102" Steel Non ReflectORIZED Traffic Sign.....	396.48	42.06
10 14 53 00-0111 EA 48" x 108" Steel Non ReflectORIZED Traffic Sign.....	418.36	43.81
10 14 53 00-0112 EA 60" x 72" Steel Non ReflectORIZED Traffic Sign.....	359.74	42.06
10 14 53 00-0113 EA 72" x 144" Steel Non ReflectORIZED Traffic Sign.....	773.64	56.07
10 14 53 00-0114 EA 78" x 96" Steel Non ReflectORIZED Traffic Sign.....	565.35	43.81

10 14 53 00-0115 Aluminum Non-ReflectORIZED Traffic Signs (10 14 53 00-0062)

10 14 53 00-0116 EA 6" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	32.82	14.02
10 14 53 00-0117 EA 6" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	35.21	14.02
10 14 53 00-0118 EA 9" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	35.21	14.02
10 14 53 00-0119 EA 9" x 15" Aluminum Non ReflectORIZED Traffic Sign.....	37.00	14.02
10 14 53 00-0120 EA 9" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	38.80	14.02
10 14 53 00-0121 EA 9" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	44.13	14.90
10 14 53 00-0122 EA 9" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	58.47	14.90
10 14 53 00-0123 EA 12" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	37.60	14.02
10 14 53 00-0124 EA 12" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	44.13	14.90
10 14 53 00-0125 EA 12" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	48.91	14.90
10 14 53 00-0126 EA 12" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	53.69	14.90
10 14 53 00-0127 EA 12" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	58.47	14.90
10 14 53 00-0128 EA 18" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	51.30	14.90
10 14 53 00-0129 EA 18" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	58.47	14.90
10 14 53 00-0130 EA 18" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	67.41	15.77
10 14 53 00-0131 EA 18" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	74.58	15.77
10 14 53 00-0132 EA 18" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	95.92	19.28
10 14 53 00-0133 EA 18" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	103.09	19.28
10 14 53 00-0134 EA 24" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	69.80	15.77
10 14 53 00-0135 EA 24" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	79.36	15.77
10 14 53 00-0136 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	88.92	15.77
10 14 53 00-0137 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	105.48	19.28
10 14 53 00-0138 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	115.04	19.28
10 14 53 00-0139 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	124.60	19.28
10 14 53 00-0140 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	134.17	19.28
10 14 53 00-0141 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	91.31	15.77
10 14 53 00-0142 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	110.26	19.28
10 14 53 00-0143 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	122.21	19.28
10 14 53 00-0144 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	141.18	22.78
10 14 53 00-0145 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	172.09	26.28
10 14 53 00-0146 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	124.60	19.28
10 14 53 00-0147 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	145.96	22.78
10 14 53 00-0148 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	167.31	26.28
10 14 53 00-0149 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	181.65	26.28
10 14 53 00-0150 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	203.01	29.79
10 14 53 00-0151 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	241.10	33.29
10 14 53 00-0152 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	253.05	33.29
10 14 53 00-0153 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	335.27	38.55
10 14 53 00-0154 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	169.70	26.28
10 14 53 00-0155 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	212.58	29.79
10 14 53 00-0156 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	238.71	33.29
10 14 53 00-0157 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	257.83	33.29
10 14 53 00-0158 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	287.47	38.55
10 14 53 00-0159 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	306.59	38.55
10 14 53 00-0160 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	351.84	42.06
10 14 53 00-0161 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	390.09	42.06
10 14 53 00-0162 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	409.21	42.06
10 14 53 00-0163 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	431.84	43.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0164 EA 60" x 72" Aluminum Non Reflectorized Traffic Sign	370.97	42.06
10 14 53 00-0165 EA 72" x 144" Aluminum Non Reflectorized Traffic Sign	800.60	56.07
10 14 53 00-0166 EA 78" x 96" Aluminum Non Reflectorized Traffic Sign	584.82	43.81
10 14 53 00-0167 Aluminum Street Signs (10 14 53 00-0001) Note: Excludes posts.		
10 14 53 00-0168 Aluminum Engineer Grade Street Signs (10 14 53 00-0167)		
10 14 53 00-0169 EA 6" High, Aluminum Engineer Grade Street Sign.....	57.96	7.01
10 14 53 00-0170 EA 8" High, Aluminum Engineer Grade Street Sign.....	65.72	7.01
10 14 53 00-0171 EA 9" High, Aluminum Engineer Grade Street Sign.....	71.50	7.01
10 14 53 00-0172 Street Sign Accessories (10 14 53 00-0167)		
10 14 53 00-0173 EA Post Cap And Single Bracket For Street Sign.....	17.58	3.50
10 14 53 00-0174 EA Post Cap And Double Bracket For Street Sign	17.58	3.50
10 14 53 00-0175 Sign Posts (10 14 53 00-0001) Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 00-0176 U-Channel Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0177 Baked Enamel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	46.92	14.29
10 14 53 00-0179 EA 6' Baked Enamel U-Channel Sign Post.....	61.51	17.86
10 14 53 00-0180 EA 7' Baked Enamel U-Channel Sign Post.....	73.46	21.43
10 14 53 00-0181 EA 8' Baked Enamel U-Channel Sign Post.....	86.01	25.01
10 14 53 00-0182 EA 10' Baked Enamel U-Channel Sign Post.....	103.79	30.37
10 14 53 00-0183 EA 12' Baked Enamel U-Channel Sign Post.....	106.73	30.37
10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	50.70	14.29
10 14 53 00-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	67.51	17.86
10 14 53 00-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	87.03	21.43
10 14 53 00-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	101.01	25.01
10 14 53 00-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	114.71	30.37
10 14 53 00-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	116.23	30.37
10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	46.03	14.29
10 14 53 00-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	59.57	17.86
10 14 53 00-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	71.12	21.43
10 14 53 00-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	83.22	25.01
10 14 53 00-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	98.73	30.37
10 14 53 00-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	103.73	30.37
10 14 53 00-0198 Tubular Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 00-0198)		
10 14 53 00-0200 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	68.13	17.86
10 14 53 00-0201 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	80.87	21.43
10 14 53 00-0202 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	95.51	25.01
10 14 53 00-0203 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	122.92	30.37
10 14 53 00-0204 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	133.22	30.37
10 14 53 00-0205 Square Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0206 Galvanized Steel Square Sign Posts (10 14 53 00-0205)		
10 14 53 00-0207 EA 3' To 4' Galvanized Steel Square Sign Post Base	51.54	14.29
10 14 53 00-0208 EA 6' Galvanized Steel Square Sign Post	81.72	17.86
10 14 53 00-0209 EA 7' Galvanized Steel Square Sign Post	95.87	21.43
10 14 53 00-0210 EA 8' Galvanized Steel Square Sign Post	111.83	25.01
10 14 53 00-0211 EA 10' Galvanized Steel Square Sign Post	136.54	30.37
10 14 53 00-0212 EA 12' Galvanized Steel Square Sign Post	143.73	30.37
10 14 53 00-0213 Other Sign Posts And Bases (10 14 53 00-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 00-0214 2.5 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 00-0213)		
10 14 53 00-0215 Base Posts, 2.5 LB/LF, For Breakaway Sign Posts (10 14 53 00-0214)		
10 14 53 00-0216 EA Base Post for 2.5 LB/LF Breakaway Sign Post.....	62.33	17.52



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Information Specialties	10 10	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0217 EA Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	34.29	14.02
10 14 53 00-0218 Breakaway Sign Posts, 2.5 LB/LF (10 14 53 00-0214)		
10 14 53 00-0219 LF 2.5 LB/LF Breakaway Sign Post.....	6.76	1.76
10 14 53 00-0220 4 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 00-0213)		
10 14 53 00-0221 Base Posts, 4 LB/LF, For Breakaway Sign Posts (10 14 53 00-0220)		
10 14 53 00-0222 EA Base Post For 4 LB/LF Breakaway Sign Post.....	64.58	21.03
10 14 53 00-0223 EA Lap Splice Hardware for 4 LB/LF Breakaway Sign Post.....	34.29	14.02
10 14 53 00-0224 Breakaway Sign Posts, 4 LB/LF (10 14 53 00-0220)		
10 14 53 00-0225 LF 4 LB/LF Breakaway Sign Post.....	8.16	1.76
10 14 53 00-0226 Driven Sign Posts (10 14 53 00-0213)		
10 14 53 00-0227 Driven Posts, 2.5 LB/LF (10 14 53 00-0226)		
10 14 53 00-0228 LF 2.5 LB/LF Driven Post.....	7.46	2.46
10 14 53 00-0229 Driven Posts, 4 LB/LF (10 14 53 00-0226)		
10 14 53 00-0230 LF 4 LB/LF Driven Post.....	9.21	2.81
10 14 53 00-0231 Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 00-0213)		
10 14 53 00-0232 Omni-Directional Breakaway Systems For Signs (10 14 53 00-0231)		
Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 00-0233 EA Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	744.60	
10 14 53 00-0234 EA Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	793.37	
10 14 53 00-0235 EA Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	543.91	
10 14 53 00-0236 EA Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	476.39	
10 14 53 00-0237 EA Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	540.17	
10 14 53 00-0238 EA Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	513.91	
10 14 53 00-0239 EA Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	557.05	
10 14 53 00-0240 Omni-Directional Breakaway Systems For Poles (10 14 53 00-0231)		
Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 00-0241 EA Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	259.90	
10 14 53 00-0242 EA Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	272.47	
10 14 53 00-0243 EA Omni-Directional Breakaway System For Poles With 1" Couplings.....	282.96	
10 14 53 00-0244 EA Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	429.67	
10 14 53 00-0245 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	37.72	
10 14 53 00-0246 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	50.30	
10 14 53 00-0247 Wood Posts (10 14 53 00-0213)		
Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
10 14 53 00-0248 LF 4" x 4" Pressure Treated Wood Sign Post.....	8.76	
10 14 53 00-0249 Sign Post Accessories (10 14 53 00-0001)		
10 14 53 00-0250 Sign Post Brackets (10 14 53 00-0249)		
10 14 53 00-0251 EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	23.20	5.26
10 14 53 00-0252 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	41.81	8.77
10 14 53 00-0253 EA 10 cm - 37 cm Diameter, Buckle Bracket Set.....	36.01	7.01
10 14 53 00-0254 Sign Post Caps (10 14 53 00-0249)		
10 14 53 00-0255 EA Traffic Sign Post Cap.....	12.90	3.50
10 14 53 00-0256 Sign Post Replacement Bolts (10 14 53 00-0249)		
10 14 53 00-0257 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers.....	9.00	
10 14 53 00-0258 Reflective Panels For "U" Channel Post (10 14 53 00-0249)		
10 14 53 00-0259 EA 3" x 72" Reflective Panel For "U-Channel" Post.....	45.90	
Note: Diamond grade panel including mounting hardware.		

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0260 Removal Of Signs <small>(10 14 53)</small> Note: Includes structural supports.		
10 14 53 00-0261 EA >4 To 10 SF Sign Area, Sign Removal	140.20	
10 14 53 00-0262 EA >10 To 20 SF Sign Area, Sign Removal	336.47	
10 14 53 00-0263 EA >20 To 40 SF Sign Area, Sign Removal	504.70	
10 14 53 00-0264 EA >40 To 100 SF Sign Area, Sign Removal	774.72	
 10 14 53 00-0265 Remove And Reinstall Signs <small>(10 14 53)</small> Note: Includes structural supports.		
10 14 53 00-0266 EA >4 To 10 SF Sign Area, Remove And Reinstall Sign	213.59	
10 14 53 00-0267 EA >10 To 20 SF Sign Area, Remove And Reinstall Sign	507.05	
10 14 53 00-0268 EA >20 SF To 40 SF Sign Area, Remove And Reinstall Sign	759.05	
10 14 53 00-0269 EA >40 SF To 100 SF Sign Area, Remove And Reinstall Sign	1,163.93	
10 14 53 00-0270 EA Remove And Reinstall Street Sign On Post	80.61	
10 14 53 00-0271 EA Remove And Relocate Traffic Light	272.05	
Note: Excludes electrical hookup.		
 10 14 53 00-0272 Traffic Signs (Monterey County) <small>(10 14 53)</small>		
10 14 53 00-0273 EA Roadside Sign-One Post (Monterey County)	299.38	21.43
10 14 53 00-0274 EA Install Roadside Sign Panel On Existing Post (Monterey County)	157.30	

END OF SECTION 10



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 60 Entertainment and Recreation Equipment ⁽¹¹⁾

11 68 Play Field Equipment And Structures ^(11 60)

11 68 13 Playground Equipment ^(11 68)

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001	Standalone Playground Equipment ^(11 68 13)		
11 68 13 00-0002	Ground Socket For Movable Posts ^(11 68 13 00-0001)		
11 68 13 00-0003	PR Ground Socket For 2-3/8" Post For Playground Equipment.....	188.57	47.54
11 68 13 00-0004	PR Ground Socket For 3-1/2" Post For Playground Equipment.....	266.14	47.54
11 68 13 00-0005	See-Saws ^(11 68 13 00-0001)		
11 68 13 00-0006	Steel See-Saw ^(11 68 13 00-0005)		
11 68 13 00-0007	EA 2 Unit Steel See-Saw.....	1,489.45	292.55
11 68 13 00-0008	EA 4 Unit Steel See-Saw.....	2,294.79	345.73
11 68 13 00-0009	EA 6 Unit Steel See-Saw.....	3,129.63	422.57
11 68 13 00-0010	14' Long Laminated Beam ^(11 68 13 00-0005)		
11 68 13 00-0011	EA Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,473.03	258.68
11 68 13 00-0012	EA Beam Is Supported By Two 8 In x 8 In Posts.....	1,055.40	230.43
11 68 13 00-0013	Slides ^(11 68 13 00-0001)		
11 68 13 00-0014	EA 8' Long x 4' High Slide With Stainless Steel Bed	1,792.96	334.53
11 68 13 00-0015	EA 12' Long x 6' High Slide With Stainless Steel Bed	2,528.46	475.38
11 68 13 00-0016	EA 16' Long x 8' High Slide With Stainless Steel Bed	2,801.85	528.20
11 68 13 00-0017	EA 20' Long x 10' High Slide With Stainless Steel Bed	3,447.97	585.11
11 68 13 00-0018	EA 6' High, 360 Degree One Piece Molded Polyethylene Slide	4,990.24	920.41
11 68 13 00-0019	EA 7' High, 360 Degree Slide, Stainless Steel Bed	9,815.74	949.50
11 68 13 00-0020	EA 9' High, 360 Degree Slide, Stainless Steel Bed	12,220.19	997.95
11 68 13 00-0021	Whirlers ^(11 68 13 00-0001)		
11 68 13 00-0022	EA 8' Diameter Whirler	3,868.10	633.84
11 68 13 00-0023	EA 10' Diameter Whirler	4,514.59	760.61
11 68 13 00-0024	Other Standalone Playground Equipment ^(11 68 13 00-0001)		
11 68 13 00-0025	Miscellaneous Standalone Playground Equipment ^(11 68 13 00-0024)		
11 68 13 00-0026	EA Horizontal Ladder.....	1,180.67	169.39
11 68 13 00-0027	EA Tether Ball Post.....	208.22	33.10
11 68 13 00-0028	PR 10'-6" Long Multiple Purpose Post.....	325.20	58.53
11 68 13 00-0029	EA 3-Person Fiberglass Golf Tee Shelter Turntable.....	2,615.15	165.36
11 68 13 00-0030	EA Horizontal Turning Bars, 1 Bar.....	396.55	88.40
11 68 13 00-0031	EA Horizontal Turning Bars, 2 Bars.....	526.63	105.66
11 68 13 00-0032	EA Horizontal Turning Bars, 3 Bars.....	708.93	140.87
11 68 13 00-0033	EA Horizontal Turning Bars, 5 Bars.....	1,028.17	193.69
11 68 13 00-0034	EA Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	992.39	80.65
11 68 13 00-0035	EA Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,091.43	87.06
11 68 13 00-0036	EA Coil Spring With Single Riding Aluminum Saddle Devices	1,073.56	93.33
11 68 13 00-0037	EA "C" Spring With Single Riding Aluminum Saddle Devices	680.11	80.30
11 68 13 00-0038	EA Rubber Spring With Single Riding Aluminum Saddle Devices.....	845.40	105.16
11 68 13 00-0039	EA Coil Spring Assembly Only	283.48	38.67
11 68 13 00-0040	EA "C" Spring Assembly Only.....	188.42	25.78
11 68 13 00-0041	EA Rubber Spring Assembly Only.....	217.44	50.29
11 68 13 00-0042	EA Footbuck Assembly Only	49.02	6.76
11 68 13 00-0043	EA Replacement Animal Only	685.69	54.80
11 68 13 00-0044	EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,213.81	96.71
11 68 13 00-0045	Freestanding Panels ^(11 68 13 00-0024)		
	Note: Rotomolded polyethylene.		
11 68 13 00-0046	EA Tic-Tac-Toe Panel	517.03	41.42
11 68 13 00-0047	EA 24" Bubble Panel	774.53	62.05
11 68 13 00-0048	EA Fire Engine Panel	1,136.65	91.07
11 68 13 00-0049	EA Flat Mirror Panel	909.33	72.89
11 68 13 00-0050	EA Wavy Mirror Panel	1,345.88	107.90
11 68 13 00-0051	EA Paint Time Panel.....	873.11	70.01
11 68 13 00-0052	EA Phone Time Panel	619.63	49.66
11 68 13 00-0053	EA Phone Time With Graphic Panel.....	619.63	49.66
11 68 13 00-0054	EA Race Time Panel	1,086.35	87.06

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0055 EA Rescue 911 Panel.....	1,101.56	87.06
11 68 13 00-0056 EA Eastern/Central/Western States Panel.....	593.48	47.55
11 68 13 00-0057 EA Career People Panel.....	673.94	54.02
11 68 13 00-0058 EA Solar System Panel.....	673.94	54.02
11 68 13 00-0059 EA Animals Panel.....	673.94	54.02
11 68 13 00-0060 Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061 EA 3-1/2" Outside Diameter End Panel Upright.....	168.06	23.24
11 68 13 00-0062 EA 3-1/2" Outside Diameter 90 Degree Upright.....	182.06	25.15
11 68 13 00-0063 EA 3-1/2" Outside Diameter 180 Degree Upright.....	182.06	25.15
11 68 13 00-0064 EA 3-1/2" Outside Diameter "T-Shaped" Upright.....	193.74	26.77
11 68 13 00-0065 Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066 EA 12' Single Metal Coaster With Four Posts.....	3,970.92	281.73
11 68 13 00-0067 EA 18' Single Metal Coaster With Four Posts.....	4,467.81	352.17
11 68 13 00-0068 EA 12' Double Metal Coaster With Four Posts.....	6,398.96	422.60
11 68 13 00-0069 EA 18' Double Metal Coaster With Four Posts.....	7,312.30	528.26
11 68 13 00-0070 Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071 EA Tower Climber, 3.17' Diameter x 7.25' High.....	828.62	188.20
11 68 13 00-0072 EA Arch Climber, 2' x 12' x 4.5' High.....	767.30	230.47
11 68 13 00-0073 EA Arch Climber, 2' x 15' x 5.83' High.....	821.50	188.20
11 68 13 00-0074 EA Arch Climber, 2' x 17' x 6.58' High.....	872.84	230.47
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 4' High.....	925.12	187.99
11 68 13 00-0076 EA Rainbow Climber, 2' x 10'-5" x 5' High.....	1,020.14	188.06
11 68 13 00-0077 EA Rainbow Climber, 2' x 12'-5" x 6' High.....	1,165.66	188.06
11 68 13 00-0078 EA Rainbow Climber, 2' x 15'-4" x 7' High.....	1,260.84	187.99
11 68 13 00-0079 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	1,516.35	220.11
11 68 13 00-0080 EA 12' Long Horizontal Ladder Climber.....	1,223.75	164.30
11 68 13 00-0081 EA 14' Long Horizontal Ladder Climber.....	1,239.77	164.30
11 68 13 00-0082 EA 16' Long Horizontal Ladder Climber.....	1,345.81	164.30
11 68 13 00-0083 EA Bell Climber, 7'-5" High With Double Bars.....	1,307.50	211.30
11 68 13 00-0084 EA 2-Way Climber.....	1,105.14	169.39
11 68 13 00-0085 EA 4-Way Climber.....	1,680.78	169.39
11 68 13 00-0086 Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088 EA 8' High Top Rail, One Section Two Seats.....	1,087.87	258.68
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	123.66	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	128.75	
11 68 13 00-0089 EA 8' High Top Rail, Two Sections Four Seats.....	1,719.62	370.17
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	196.46	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	208.49	
11 68 13 00-0090 EA 8' High Top Rail, Three Sections, Six Seats.....	2,384.52	544.69
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	272.12	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	287.56	
11 68 13 00-0091 EA 8' High Top Rail, Four Sections, Eight Seats.....	2,976.79	633.84
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	340.40	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	362.44	
11 68 13 00-0092 EA 10' High Top Rail, One Section Two Seats.....	1,149.21	258.68
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	131.33	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	139.49	
11 68 13 00-0093 EA 10' High Top Rail, Two Section Four Seats.....	1,810.05	394.25
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	206.01	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	215.50	
11 68 13 00-0094 EA 10' High Top Rail, Three Sections, Six Seats.....	2,516.11	612.23
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	285.35	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	294.50	
11 68 13 00-0095 EA 10' High Top Rail, Four Sections, Eight Seats.....	3,310.43	739.49
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	376.81	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	394.38	
11 68 13 00-0096 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097 EA 8' High Top Rail, One Section, Two Seats.....	1,208.71	228.47
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	139.66	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	154.40	
11 68 13 00-0098 EA 8' High Top Rail, Two Sections, Four Seats.....	1,754.25	331.50
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	202.71	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	224.12	
11 68 13 00-0099 EA 8' High Top Rail, Three Sections, Six Seats.....	2,341.14	443.34
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	270.48	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	298.87	



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0100	EA	8' High Top Rail, Four Sections, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,907.77 337.06 376.79	528.20
11 68	13 00-0101	EA	10' High Top Rail, One Section, Two Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,362.94 157.49 174.15	257.49
11 68	13 00-0102	EA	10' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,417.56 164.19 183.04	273.04
11 68	13 00-0103	EA	10' High Top Rail, Two Sections, Four Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,903.46 219.91 242.99	360.45
11 68	13 00-0104	EA	10' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,264.06 263.21 297.23	415.52
11 68	13 00-0105	EA	10' High Top Rail, Three Section, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,533.54 292.71 323.48	479.54
11 68	13 00-0106	EA	10' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,107.96 362.08 411.82	528.41
11 68	13 00-0107	EA	10' High Top Rail, Four Section, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,231.08 372.19 406.94	633.84
11 68	13 00-0108	EA	12' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,478.79 171.52 192.17	279.67
11 68	13 00-0109	EA	12' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,402.35 278.86 313.24	449.96
11 68	13 00-0110	EA	12' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,554.08 409.05 445.90	720.69
11 68	13 00-0111		Swing Accessories <small>(11 68 13 00-0086)</small>		
11 68	13 00-0112	EA	Enclosed Tot Seat With Chain And Hardware	322.95	21.23
11 68	13 00-0113	EA	Bucket Seat With Chain And Hardware	268.48	17.66
11 68	13 00-0114	EA	Belt Seat With Chain And Hardware	285.98	18.85
11 68	13 00-0115	EA	Seat With Chain And Hardware	282.10	18.57
11 68	13 00-0116	EA	Wide Seat With Chain And Hardware	297.77	19.62
11 68	13 00-0117	EA	Handi Seat With Chain And Hardware	889.08	58.52
11 68	13 00-0118	LF	0.4 LB/LF Replacement Chain	3.85	0.42
11 68	13 00-0119	LF	1 LB/LF Replacement Chain	7.16	0.84
11 68	13 00-0120	EA	Swing Hanger Replacement	41.83	4.84
11 68	23		Exterior Court Athletic Equipment <small>(11 68)</small>		
11 68	23 13		Exterior Basketball Equipment <small>(11 68 23)</small>		
11 68	23 13-0001		Basketball Systems <small>(11 68 23 13)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68	23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	1,363.82	169.67
11 68	23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230) <i>For Fan Shaped Fiberglass Backboard, Deduct For 42" x 72" Perforated Steel Backboard, Add</i>	2,521.91 -133.00 350.00	186.63
11 68	23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230) <i>For Fan Shaped Fiberglass Backboard, Deduct For 42" x 72" Perforated Steel Backboard, Add</i>	1,808.73 -133.00 350.00	169.67
11 68	23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230) <i>For Fan Shaped Fiberglass Backboard, Deduct For 42" x 72" Perforated Steel Backboard, Add</i>	2,233.18 -133.00 350.00	186.63
11 68	23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230) <i>For Fan Shaped Fiberglass Backboard, Deduct For 42" x 72" Perforated Steel Backboard, Add</i>	2,856.03 -498.00 700.00	249.51
11 68	23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230) <i>For Fan Shaped Fiberglass Backboard, Deduct For 42" x 72" Perforated Steel Backboard, Add</i>	3,712.52 -498.00 700.00	274.46
11 68	23 13-0008		Basketball Components <small>(11 68 23 13)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68	23 13-0009	EA	Nylon Cord Basketball Net (Porter Athletic 09608-120)	25.07	7.04
11 68	23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000)	40.42	7.04
11 68	23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000)	100.94	35.22
11 68	23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	188.70	15.85
11 68	23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	796.46	29.94

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0014	EA		42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	849.15	29.94
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA		54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	610.27	26.42
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0016	EA		54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	462.74	26.42
			Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 33 Tennis Equipment ^(11 68 23)					
11 68 23 33-0001 Tennis Court Net Posts ^(11 68 23 33)					
11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	773.56	119.73
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	928.47	119.73
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	954.29	119.73
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	998.94	119.73
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,157.92	119.73
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	191.20	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts	210.50	
11 68 23 33-0009 Tennis Court Nets ^(11 68 23 33)					
11 68 23 33-0010	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	378.21	118.32
11 68 23 33-0011	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	409.02	118.32
11 68 23 33-0012	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	844.35	182.05
11 68 23 33-0013	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap	50.99	
11 68 33 Athletic Field Equipment ^(11 68)					
11 68 33 13 Football Field Equipment ^(11 68 33)					
11 68 33 13-0001 Football Goal Posts ^(11 68 33 13)					
			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape"	3,041.75	316.96
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	4,163.62	410.84
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	4,974.67	493.01
11 68 33 23 Soccer And Field Hockey Equipment ^(11 68 33)					
11 68 33 23-0001 Soccer Goal Posts ^(11 68 33 23)					
			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR		Regulation Soccer Goal Posts	2,791.06	211.28
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post	3,378.28	316.96
11 68 33 33 Baseball Field Equipment ^(11 68 33)					
11 68 33 33-0001 Bases ^(11 68 33 33)					
11 68 33 33-0002	SET		Bases For Baseball Or Softball.....	308.59	
11 80 Facility Maintenance and Operation Equipment ⁽¹¹⁾					
11 82 Facility Solid Waste Handling Equipment ^(11 80)					
11 82 19 Packaged Incinerators ^(11 82)					
11 82 19 00-0001 Electric Incinerator ^(11 82 19)					
11 82 19 00-0002	EA		Electric Package Incinerator, 100 LB/Hour	21,306.56	846.86
11 82 19 00-0003	EA		Electric Package Incinerator, 400 LB/Hour	43,569.73	1,693.71
11 82 19 00-0004	EA		Electric Package Incinerator, 1,000 LB/Hour	145,177.14	2,540.57
11 82 26 Facility Waste Compactors ^(11 82)					
11 82 26 00-0001 110 Volt Compactors ^(11 82 26)					
11 82 26 00-0002	EA		Waste Compactor, 110 Volt At 75 LB/Hour.....	11,478.35	380.38
11 82 26 00-0003	EA		Waste Compactor, 110 Volt At 250 LB/Hour.....	14,571.76	912.93
11 82 26 00-0004 230 Volt Compactors ^(11 82 26)					
11 82 26 00-0005	EA		Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	14,673.26	1,217.24
11 82 26 00-0006	EA		Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	16,643.05	1,597.62
11 82 26 00-0007 Trash Compactors ^(11 82 26)					
11 82 26 00-0008	EA		Trash Compactor, Small	2,626.49	228.79
11 82 26 00-0009	EA		Trash Compactor, Large	3,232.57	258.90



	Equipment	11	
	Facility Maintenance and Operation Equipment	11 80	11
	Facility Solid Waste Handling Equipment	11 82	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 11

11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Special Construction	13	13
Integrated Construction	13 40	
Facility Protection	13 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 40 Integrated Construction ⁽¹³⁾

13 47 Facility Protection ^(13 40)

13 47 13 Cathodic Protection ^(13 47)

13 47 13 13 Cathodic Protection for Underground and Submerged Piping ^(13 47 13)

13 47 13 13-0001	EA	Anodes ^(13 47 13 13)		
13 47 13 13-0002	EA	Magnesium Type, Conventional ^(13 47 13 13-0001)		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	278.72	122.00
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	413.42	176.33
13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	564.13	226.85
13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	803.14	317.40
13 47 13 13-0007	EA	Graphite Type ^(13 47 13 13-0001) Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	422.99	174.48
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	658.34	243.64
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	494.57	152.48
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	757.11	203.56
13 47 13 13-0012	EA	High Silicon Cast Iron Type ^(13 47 13 13-0001)		
13 47 13 13-0013	EA	2.66" x 84" High Silicon Cast Iron Anode, 70 LB.....	1,198.90	243.64
13 47 13 13-0014	EA	Metal Oxide Type ^(13 47 13 13-0001)		
13 47 13 13-0015	EA	1" x 60" Mixed Metal Oxide Anode, 5 LB	601.70	122.00
		Note: Includes center connected #8 HMWPE/HALAR Lead wire.		
13 47 13 13-0016	EA	Rectifiers ^(13 47 13 13)		
13 47 13 13-0017	EA	Air Cooled, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0018	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,293.68	247.59
13 47 13 13-0019	EA	Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,393.33	247.59
13 47 13 13-0020	EA	Oil Immersed, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0021	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,924.38	286.28
13 47 13 13-0022	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	2,031.16	286.28
13 47 13 13-0023	EA	Anode Backfill ^(13 47 13 13)		
13 47 13 13-0024	EA	Anode Backfill, Coke Breeze	0.82	0.31
13 47 13 13-0025	EA	Cathodic Protection Cable ^(13 47 13 13)		
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 8	1,588.38	609.89
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2 - No 6	1,751.74	609.89
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 4	1,996.78	609.89
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 2	2,405.17	609.89
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 1	2,975.14	671.98
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2-No 1/0	3,281.43	671.98
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2-No 2/0	3,791.92	671.98
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 4/0	5,137.61	732.50
13 47 13 13-0034	EA	Cathodic Test Stations ^(13 47 13 13)		
13 47 13 13-0035	EA	Flush Curb Box Type With Lockable Cover And Terminal Box ^(13 47 13 13-0034)		
13 47 13 13-0036	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	216.83	71.35
13 47 13 16	EA	Cathodic Protection for Underground Storage Tank ^(13 47 13) See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		

END OF SECTION 13

13 Special Construction

13 40 Integrated Construction

13 47 Facility Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 05 Common Work Results for Plumbing ⁽²²⁾

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

22 05 23 00-0001 Mud Valves (Drain Plug Valves) ^(22 05 23)

Note: For settling basins, waterworks, sewage treatment plants where sedimentaceous material must be flushed from system.

22 05 23 00-0002	EA	4" Flanged End, Non Rising Stem Mud Valve.....	767.63	166.73
22 05 23 00-0003	EA	6" Flanged End, Non Rising Stem Mud Valve.....	912.46	233.41
22 05 23 00-0004	EA	8" Flanged End, Non Rising Stem Mud Valve.....	1,136.59	259.60
22 05 23 00-0005	EA	10" Flanged End, Non Rising Stem Mud Valve.....	1,676.55	317.96
22 05 23 00-0006	EA	12" Flanged End, Non Rising Stem Mud Valve.....	1,972.63	385.42
22 05 23 00-0007	EA	14" Flanged End, Non Rising Stem Mud Valve.....	3,594.17	466.81
22 05 23 00-0008	EA	16" Flanged End, Non Rising Stem Mud Valve.....	4,252.93	513.50
22 05 23 00-0009	EA	18" Flanged End, Non Rising Stem Mud Valve.....	4,833.28	610.90
22 05 23 00-0010	EA	24" Flanged End, Non Rising Stem Mud Valve.....	6,775.73	845.80

22 05 23 00-0011 Earthquake-Sensitive Gas Shut-Off Valve ^(22 05 23)

22 05 23 00-0012 0.5 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0011)

22 05 23 00-0013	EA	3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	160.97	9.30
22 05 23 00-0014	EA	1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	181.24	10.57

22 05 23 00-0015 7 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0011)

22 05 23 00-0016	EA	1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	210.20	11.24
22 05 23 00-0017	EA	1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	287.23	13.01

22 05 23 00-0018 60 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0011)

22 05 23 00-0019	EA	3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	201.99	9.30
22 05 23 00-0020	EA	1" 60 PSI Threaded Earthquake Gas Shutoff Valve	209.73	10.57
22 05 23 00-0021	EA	1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	232.99	11.24
22 05 23 00-0022	EA	1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	321.42	13.01
22 05 23 00-0023	EA	2" 60 PSI Threaded Earthquake Gas Shutoff Valve	760.60	15.38
22 05 23 00-0024	EA	2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	901.13	20.70
22 05 23 00-0025	EA	3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,173.82	24.12
22 05 23 00-0026	EA	4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,361.24	27.23

22 05 23 00-0027 60 PSI Flanged Earthquake Gas Shutoff Valves ^(22 05 23 00-0011)

22 05 23 00-0028	EA	2" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,052.54	112.66
22 05 23 00-0029	EA	3" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,299.44	132.27
22 05 23 00-0030	EA	4" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,816.33	221.74
22 05 23 00-0031	EA	6" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	3,056.59	302.83
22 05 23 00-0032	EA	8" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	8,295.84	348.25

22 05 23 00-0033 Regulators, Clay Valve ^(22 05 23)

22 05 23 00-0034	EA	4" Regulator - Clay Valve.....	1,190.26	
22 05 23 00-0035	EA	8" Regulator - Clay Valve.....	1,615.89	
22 05 23 00-0036	EA	10" Regulator - Clay Valve.....	2,224.79	
22 05 23 00-0037	EA	12" Regulator - Clay Valve.....	2,726.94	
22 05 23 00-0038	EA	18" Regulator - Clay Valve.....	4,615.80	
22 05 23 00-0039	EA	24" Regulator - Clay Valve.....	7,433.55	

22 05 76 Facility Drainage Piping Cleanouts ^(22 05)

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover ^(22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover ^(22 05 76 00-0001)

22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	292.11	44.96
		<i>For Vandal Proof, Add</i>	<i>19.50</i>	
		<i>For Galvanized Ferrule, Add</i>	<i>45.00</i>	
		<i>For Carpet Marker, Add</i>	<i>16.00</i>	
		<i>For Carpet Flange, Add</i>	<i>58.50</i>	
		<i>For Wide Flange, Add</i>	<i>97.00</i>	
		<i>For Satin Bronze Top, Deduct</i>	<i>-24.00</i>	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	323.29	56.38
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	401.52	68.12
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	555.01	76.23
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	672.10	82.58
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover^(22 05 76 00-0001)		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	329.91	44.96
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	361.63	56.30
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	439.92	68.12
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	593.45	76.23
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	710.48	82.58
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout^(22 05 76)		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top^(22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	50.97	14.11
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	56.61	16.90
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	69.84	19.01
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	107.66	21.13
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	153.88 9.00 19.50	23.24
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	136.17 19.50 22.50	14.11
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	188.58 19.50 22.50	14.80
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	201.27 19.50 22.50	15.63
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	225.50 19.50 22.50	17.75
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	136.17 19.50 22.50	14.11
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	188.58 19.50 22.50	14.80
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	201.27 19.50 22.50	15.63
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	225.50 19.50 22.50	17.75
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	132.67 19.50 22.50	14.11
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	177.08 19.50 22.50	14.80
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	243.77 19.50 22.50	15.63
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	293.50 19.50 22.50	17.75
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	216.51 19.50 59.20	44.96
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	252.43 19.50 59.20	56.30
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	324.12 19.50 59.20	68.12
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	692.48 19.50 59.20	82.58
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	343.11 19.50 59.20	44.96
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	379.03 19.50 59.20	56.30
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	442.32 19.50 59.20	68.12

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	863.48	82.58
For Vandal Proof Screws, Add	19.50	
For Galvanized Cast Iron Parts, Add	59.20	
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug	177.34	36.77
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug	197.29	40.15
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug	262.25	52.82
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug	377.09	62.55
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug	609.91	73.96
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	32.21	10.57
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug	36.90	11.49
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug	53.90	12.68
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug	61.14	14.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug	69.37	16.90
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug	91.11	19.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug	124.82	21.13
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug	193.98	23.24
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug	268.21	25.35
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head	25.10	10.57
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head	25.79	10.57
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head	28.28	11.49
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head	32.31	12.67
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head	38.41	14.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head	45.77	16.90
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head	49.42	17.81
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head	53.52	19.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head	74.50	21.13
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head	24.56	10.57
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head	25.32	10.57
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head	29.78	11.49
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head	32.53	12.68
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head	37.76	14.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head	44.75	16.90
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head	52.96	19.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head	65.51	21.13
For Plug Tapped For Center Screw, Add	9.50	
22 07 Plumbing Insulation (22)		
22 07 19 Plumbing Piping Insulation (22 07)		
22 07 19 00-0001 Insulation Protective Jacketing (22 07 19)		
Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0001)		
22 07 19 00-0003 SF 0.006" Aluminum Insulation Jacket With Bands Fire Retardant	12.65	5.44
22 07 19 00-0004 SF 0.016" Aluminum Insulation Jacket With Bands Fire Retardant	12.98	5.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0005 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0001)		
22 07 19 00-0006 SF 0.016" Stainless Steel Insulation Jacket With Bands Fire Retardant	19.75	7.65
22 07 19 00-0007 SF 0.010" Stainless Steel Insulation Jacket With Bands Fire Retardant	16.06	6.37
22 07 19 00-0008 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0001)		
22 07 19 00-0009 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0008)		
22 07 19 00-0010 LF 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.29	1.28
22 07 19 00-0011 LF 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.62	1.32
22 07 19 00-0012 LF 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.87	1.36
22 07 19 00-0013 LF 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.21	1.45
22 07 19 00-0014 LF 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.54	1.49
22 07 19 00-0015 LF 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.85	1.53
22 07 19 00-0016 LF 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.19	1.61
22 07 19 00-0017 LF 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.60	1.70
22 07 19 00-0018 LF 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.03	1.78
22 07 19 00-0019 LF 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.52	1.87
22 07 19 00-0020 LF 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.77	1.95
22 07 19 00-0021 LF 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.11	1.99
22 07 19 00-0022 LF 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.50	2.08
22 07 19 00-0023 LF 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.67	2.10
22 07 19 00-0024 LF 8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.93	2.14
22 07 19 00-0025 LF 9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.17	2.18
22 07 19 00-0026 LF 10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.66	2.12
22 07 19 00-0027 LF 11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.24	2.38
22 07 19 00-0028 LF 12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.82	2.49
22 07 19 00-0029 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0008)		
22 07 19 00-0030 LF 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.79	1.32
22 07 19 00-0031 LF 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.08	1.36
22 07 19 00-0032 LF 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.47	1.42
22 07 19 00-0033 LF 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.83	1.49
22 07 19 00-0034 LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.18	1.55
22 07 19 00-0035 LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.56	1.61
22 07 19 00-0036 LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.00	1.70
22 07 19 00-0037 LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.47	1.78
22 07 19 00-0038 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.00	1.91
22 07 19 00-0039 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.29	1.93
22 07 19 00-0040 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.65	1.99
22 07 19 00-0041 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.10	2.08
22 07 19 00-0042 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.31	2.10
22 07 19 00-0043 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.60	2.14
22 07 19 00-0044 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.89	2.18
22 07 19 00-0045 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.44	2.27
22 07 19 00-0046 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.10	2.38
22 07 19 00-0047 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.75	2.49
22 07 19 00-0048 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0008)		
22 07 19 00-0049 EA 1-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	10.65	2.55
22 07 19 00-0050 EA 2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	11.09	2.62
22 07 19 00-0051 EA 2-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	11.57	2.70
22 07 19 00-0052 EA 3" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	12.19	2.83
22 07 19 00-0053 EA 3-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	13.04	2.76
22 07 19 00-0054 EA 4" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	13.76	3.08
22 07 19 00-0055 EA 4-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	14.64	3.23
22 07 19 00-0056 EA 5" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	15.62	3.40
22 07 19 00-0057 EA 5-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	16.97	3.57
22 07 19 00-0058 EA 6" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	19.69	3.78
22 07 19 00-0059 EA 6-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	20.11	3.91
22 07 19 00-0060 EA 7" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	22.01	4.00
22 07 19 00-0061 EA 7-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	22.65	4.10
22 07 19 00-0062 EA 8" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	23.99	4.19
22 07 19 00-0063 EA 8-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	25.18	4.25
22 07 19 00-0064 EA 9" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	28.58	4.42
22 07 19 00-0065 EA 10" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	30.53	4.59
22 07 19 00-0066 EA 11" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	33.02	4.78
22 07 19 00-0067 EA 12" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing	37.93	4.99
22 07 19 00-0068 EA 1-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	15.19	3.54
22 07 19 00-0069 EA 2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	15.75	3.65
22 07 19 00-0070 EA 2-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	16.83	3.86
22 07 19 00-0071 EA 3" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	18.18	4.15
22 07 19 00-0072 EA 3-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	20.28	4.48
22 07 19 00-0073 EA 4" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	21.08	4.65
22 07 19 00-0074 EA 4-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	22.55	4.86
22 07 19 00-0075 EA 5" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing	24.01	5.07

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0076 EA 5-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	26.51	5.39
22 07 19 00-0077 EA 6" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	29.15	5.68
22 07 19 00-0078 EA 6-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	31.01	5.76
22 07 19 00-0079 EA 7" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	36.84	5.97
22 07 19 00-0080 EA 7-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	39.32	6.29
22 07 19 00-0081 EA 8" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	41.43	6.41
22 07 19 00-0082 EA 8-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	43.46	6.54
22 07 19 00-0083 EA 9" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	45.67	6.71
22 07 19 00-0084 EA 10" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	48.92	7.08
22 07 19 00-0085 EA 11" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	51.78	7.23
22 07 19 00-0086 EA 12" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	54.71	7.40
22 07 19 00-0087 Insulation Foam Rubber (22 07 19)		
22 07 19 00-0088 Covering 4x6 Sheet (22 07 19 00-0087)		
22 07 19 00-0089 SF 1" Thick Foam Rubber Sheet Insulation.....	15.73	6.03
22 07 19 00-0090 Fiberglass Pipe Insulation (22 07 19)		
Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0091 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0092 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.19	1.87
For Single Layer Of Felt Finish, Add	0.12	
For Work In Restricted Working Space, Add	1.52	
22 07 19 00-0093 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.31	1.87
For Single Layer Of Felt Finish, Add	0.13	
For Work In Restricted Working Space, Add	1.52	
22 07 19 00-0094 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.70	1.95
For Single Layer Of Felt Finish, Add	0.14	
For Work In Restricted Working Space, Add	1.61	
22 07 19 00-0095 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.94	2.04
For Single Layer Of Felt Finish, Add	0.15	
For Work In Restricted Working Space, Add	1.64	
22 07 19 00-0096 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.14	2.04
For Single Layer Of Felt Finish, Add	0.16	
For Work In Restricted Working Space, Add	1.67	
22 07 19 00-0097 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.55	2.12
For Single Layer Of Felt Finish, Add	0.18	
For Work In Restricted Working Space, Add	1.76	
22 07 19 00-0098 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.89	2.21
For Single Layer Of Felt Finish, Add	0.20	
For Work In Restricted Working Space, Add	1.79	
22 07 19 00-0099 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.32	2.29
For Single Layer Of Felt Finish, Add	0.23	
For Work In Restricted Working Space, Add	1.85	
22 07 19 00-0100 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.42	2.47
For Single Layer Of Felt Finish, Add	0.29	
For Work In Restricted Working Space, Add	2.00	
22 07 19 00-0101 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.13	2.89
For Single Layer Of Felt Finish, Add	0.35	
For Work In Restricted Working Space, Add	2.34	
22 07 19 00-0102 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0103 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.33	2.55
For Single Layer Of Felt Finish, Add	0.14	
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0104 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.53	2.55
For Single Layer Of Felt Finish, Add	0.16	
For Work In Restricted Working Space, Add	2.10	
22 07 19 00-0105 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.66	2.55
For Single Layer Of Felt Finish, Add	0.16	
For Work In Restricted Working Space, Add	2.13	
22 07 19 00-0106 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.96	2.64
For Single Layer Of Felt Finish, Add	0.19	
For Work In Restricted Working Space, Add	2.16	
22 07 19 00-0107 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.19	2.64
For Single Layer Of Felt Finish, Add	0.20	
For Work In Restricted Working Space, Add	2.19	
22 07 19 00-0108 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.57	2.72
For Single Layer Of Felt Finish, Add	0.22	
For Work In Restricted Working Space, Add	2.25	
22 07 19 00-0109 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.08	2.89
For Single Layer Of Felt Finish, Add	0.24	
For Work In Restricted Working Space, Add	2.34	
22 07 19 00-0110 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.58	2.98
For Single Layer Of Felt Finish, Add	0.27	
For Work In Restricted Working Space, Add	2.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0111 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.94	3.14
<i>For Single Layer Of Felt Finish, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	2.58	
22 07 19 00-0112 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.79	3.65
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0113 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.97	4.08
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	3.34	
22 07 19 00-0114 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.96	4.84
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.95	
22 07 19 00-0115 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.91	5.53
<i>For Single Layer Of Felt Finish, Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	4.55	
22 07 19 00-0116 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.66	6.03
<i>For Single Layer Of Felt Finish, Add</i>	0.94	
<i>For Work In Restricted Working Space, Add</i>	4.71	
22 07 19 00-0117 1-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0090)</small>		
22 07 19 00-0118 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.00	2.63
<i>For Single Layer Of Felt Finish, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	2.18	
22 07 19 00-0119 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.13	2.63
<i>For Single Layer Of Felt Finish, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	2.18	
22 07 19 00-0120 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.70	2.78
<i>For Single Layer Of Felt Finish, Add</i>	0.31	
<i>For Work In Restricted Working Space, Add</i>	2.31	
22 07 19 00-0121 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.07	2.84
<i>For Single Layer Of Felt Finish, Add</i>	0.34	
<i>For Work In Restricted Working Space, Add</i>	2.36	
22 07 19 00-0122 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.38	2.89
<i>For Single Layer Of Felt Finish, Add</i>	0.36	
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0123 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.13	3.04
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	2.53	
22 07 19 00-0124 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.65	3.09
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.58	
22 07 19 00-0125 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.06	3.20
<i>For Single Layer Of Felt Finish, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	2.66	
22 07 19 00-0126 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.39	3.46
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0127 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.68	4.05
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	3.36	
22 07 19 00-0128 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.68	4.27
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.55	
22 07 19 00-0129 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.80	5.10
<i>For Single Layer Of Felt Finish, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.25	
22 07 19 00-0130 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.90	5.95
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0131 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.96	6.52
<i>For Single Layer Of Felt Finish, Add</i>	1.14	
<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0132 2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0090)</small>		
22 07 19 00-0133 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.26	2.89
<i>For Single Layer Of Felt Finish, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0134 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.40	2.89
<i>For Single Layer Of Felt Finish, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0135 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.81	2.98
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	2.43	
22 07 19 00-0136 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.18	2.98
<i>For Single Layer Of Felt Finish, Add</i>	0.52	
<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0137 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.56	3.06
<i>For Single Layer Of Felt Finish, Add</i>	0.55	
<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0138 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.08	3.14
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	2.58	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0139	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.79	3.23
			<i>For Single Layer Of Felt Finish, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0140	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.56	3.40
			<i>For Single Layer Of Felt Finish, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0141	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.98	3.57
			<i>For Single Layer Of Felt Finish, Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0142	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.11	4.19
			<i>For Single Layer Of Felt Finish, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0143	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.74	4.43
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
22 07 19 00-0144	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.21	5.29
			<i>For Single Layer Of Felt Finish, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	4.42	
22 07 19 00-0145	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.34	6.35
			<i>For Single Layer Of Felt Finish, Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	5.29	
22 07 19 00-0146	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.10	6.92
			<i>For Single Layer Of Felt Finish, Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 07 19 00-0147	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.25	8.11
			<i>For Single Layer Of Felt Finish, Add</i>	1.85	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 07 19 00-0148	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	46.81	8.53
			<i>For Single Layer Of Felt Finish, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	7.75	
22 07 19 00-0149	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	53.06	9.74
			<i>For Single Layer Of Felt Finish, Add</i>	2.47	
			<i>For Work In Restricted Working Space, Add</i>	8.85	
22 07 19 00-0150	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.77	11.77
			<i>For Single Layer Of Felt Finish, Add</i>	2.74	
			<i>For Work In Restricted Working Space, Add</i>	10.70	
22 07 19 00-0151			2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0152	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.16	3.40
			<i>For Single Layer Of Felt Finish, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0153	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.36	3.40
			<i>For Single Layer Of Felt Finish, Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0154	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.95	3.40
			<i>For Single Layer Of Felt Finish, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0155	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.39	3.48
			<i>For Single Layer Of Felt Finish, Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0156	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.85	3.48
			<i>For Single Layer Of Felt Finish, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0157	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.55	3.65
			<i>For Single Layer Of Felt Finish, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	2.97	
22 07 19 00-0158	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.52	3.73
			<i>For Single Layer Of Felt Finish, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0159	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.41	3.91
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-0160	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.43	4.08
			<i>For Single Layer Of Felt Finish, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0161	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.56	4.34
			<i>For Single Layer Of Felt Finish, Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
22 07 19 00-0162	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.61	5.18
			<i>For Single Layer Of Felt Finish, Add</i>	1.94	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
22 07 19 00-0163	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.91	5.95
			<i>For Single Layer Of Felt Finish, Add</i>	2.37	
			<i>For Work In Restricted Working Space, Add</i>	4.90	
22 07 19 00-0164	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	44.34	7.40
			<i>For Single Layer Of Felt Finish, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	6.09	
22 07 19 00-0165	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	50.08	8.16
			<i>For Single Layer Of Felt Finish, Add</i>	2.93	
			<i>For Work In Restricted Working Space, Add</i>	6.65	
22 07 19 00-0166	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.09	10.37
			<i>For Single Layer Of Felt Finish, Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	8.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0167 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.50	10.88
<i>For Single Layer Of Felt Finish, Add</i>	3.54	
<i>For Work In Restricted Working Space, Add</i>	8.92	
22 07 19 00-0168 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	72.08	12.41
<i>For Single Layer Of Felt Finish, Add</i>	4.00	
<i>For Work In Restricted Working Space, Add</i>	10.20	
22 07 19 00-0169 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.87	14.99
<i>For Single Layer Of Felt Finish, Add</i>	4.60	
<i>For Work In Restricted Working Space, Add</i>	12.32	
22 07 19 00-0170 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0171 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.72	3.75
<i>For Single Layer Of Felt Finish, Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0172 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.94	3.75
<i>For Single Layer Of Felt Finish, Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0173 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.54	3.79
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0174 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.01	3.81
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0175 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.55	3.85
<i>For Single Layer Of Felt Finish, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	3.15	
22 07 19 00-0176 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.27	4.01
<i>For Single Layer Of Felt Finish, Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0177 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.34	4.14
<i>For Single Layer Of Felt Finish, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	3.38	
22 07 19 00-0178 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.33	4.29
<i>For Single Layer Of Felt Finish, Add</i>	1.02	
<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0179 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.56	4.53
<i>For Single Layer Of Felt Finish, Add</i>	1.18	
<i>For Work In Restricted Working Space, Add</i>	3.69	
22 07 19 00-0180 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.98	5.14
<i>For Single Layer Of Felt Finish, Add</i>	1.37	
<i>For Work In Restricted Working Space, Add</i>	4.19	
22 07 19 00-0181 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.81	5.73
<i>For Single Layer Of Felt Finish, Add</i>	2.13	
<i>For Work In Restricted Working Space, Add</i>	4.67	
22 07 19 00-0182 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.75	6.61
<i>For Single Layer Of Felt Finish, Add</i>	2.60	
<i>For Work In Restricted Working Space, Add</i>	5.39	
22 07 19 00-0183 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.71	8.21
<i>For Single Layer Of Felt Finish, Add</i>	2.77	
<i>For Work In Restricted Working Space, Add</i>	6.70	
22 07 19 00-0184 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.02	8.98
<i>For Single Layer Of Felt Finish, Add</i>	3.22	
<i>For Work In Restricted Working Space, Add</i>	7.31	
22 07 19 00-0185 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	64.92	11.46
<i>For Single Layer Of Felt Finish, Add</i>	3.55	
<i>For Work In Restricted Working Space, Add</i>	9.35	
22 07 19 00-0186 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.77	12.04
<i>For Single Layer Of Felt Finish, Add</i>	3.89	
<i>For Work In Restricted Working Space, Add</i>	9.82	
22 07 19 00-0187 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	79.21	13.77
<i>For Single Layer Of Felt Finish, Add</i>	4.39	
<i>For Work In Restricted Working Space, Add</i>	11.22	
22 07 19 00-0188 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	93.24	16.62
<i>For Single Layer Of Felt Finish, Add</i>	5.05	
<i>For Work In Restricted Working Space, Add</i>	13.55	
22 07 19 00-0189 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0190 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.04	4.08
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0191 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.30	4.08
<i>For Single Layer Of Felt Finish, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0192 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.16	4.08
<i>For Single Layer Of Felt Finish, Add</i>	0.83	
<i>For Work In Restricted Working Space, Add</i>	3.38	
22 07 19 00-0193 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.66	4.17
<i>For Single Layer Of Felt Finish, Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	3.40	
22 07 19 00-0194 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.27	4.17
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	3.44	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0195	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.02	4.34
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0196	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.19	4.50
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0197	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.19	4.67
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
22 07 19 00-0198	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.73	4.93
			<i>For Single Layer Of Felt Finish, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	4.03	
22 07 19 00-0199	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.47	5.61
			<i>For Single Layer Of Felt Finish, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
22 07 19 00-0200	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	39.11	6.20
			<i>For Single Layer Of Felt Finish, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0201	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	46.69	7.14
			<i>For Single Layer Of Felt Finish, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	5.88	
22 07 19 00-0202	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	53.20	8.93
			<i>For Single Layer Of Felt Finish, Add</i>	3.03	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
22 07 19 00-0203	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	60.11	9.77
			<i>For Single Layer Of Felt Finish, Add</i>	3.52	
			<i>For Work In Restricted Working Space, Add</i>	7.98	
22 07 19 00-0204	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	70.92	12.41
			<i>For Single Layer Of Felt Finish, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	10.20	
22 07 19 00-0205	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	76.20	13.08
			<i>For Single Layer Of Felt Finish, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	10.71	
22 07 19 00-0206	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	86.54	14.96
			<i>For Single Layer Of Felt Finish, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	12.25	
22 07 19 00-0207	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	101.84	18.02
			<i>For Single Layer Of Felt Finish, Add</i>	5.52	
			<i>For Work In Restricted Working Space, Add</i>	14.79	
22 07 19 00-0208			4" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0090)</small>		
22 07 19 00-0209	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.42	4.59
			<i>For Single Layer Of Felt Finish, Add</i>	0.84	
			<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0210	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.71	4.59
			<i>For Single Layer Of Felt Finish, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0211	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.52	4.59
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.79	
22 07 19 00-0212	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.17	4.67
			<i>For Single Layer Of Felt Finish, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 07 19 00-0213	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.08	4.84
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.95	
22 07 19 00-0214	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.92	5.01
			<i>For Single Layer Of Felt Finish, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	4.08	
22 07 19 00-0215	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.97	5.01
			<i>For Single Layer Of Felt Finish, Add</i>	1.17	
			<i>For Work In Restricted Working Space, Add</i>	4.14	
22 07 19 00-0216	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.20	5.26
			<i>For Single Layer Of Felt Finish, Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-0217	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.93	5.53
			<i>For Single Layer Of Felt Finish, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	4.53	
22 07 19 00-0218	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.14	6.29
			<i>For Single Layer Of Felt Finish, Add</i>	1.68	
			<i>For Work In Restricted Working Space, Add</i>	5.14	
22 07 19 00-0219	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.99	6.79
			<i>For Single Layer Of Felt Finish, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	5.73	
22 07 19 00-0220	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	52.53	8.07
			<i>For Single Layer Of Felt Finish, Add</i>	3.20	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 07 19 00-0221	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.87	10.02
			<i>For Single Layer Of Felt Finish, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	8.22	
22 07 19 00-0222	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.64	10.96
			<i>For Single Layer Of Felt Finish, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	8.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0223 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	79.83	14.02
<i>For Single Layer Of Felt Finish, Add</i>	4.36	
<i>For Work In Restricted Working Space, Add</i>	11.48	
22 07 19 00-0224 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	85.69	14.70
<i>For Single Layer Of Felt Finish, Add</i>	4.79	
<i>For Work In Restricted Working Space, Add</i>	12.03	
22 07 19 00-0225 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	96.16	16.83
<i>For Single Layer Of Felt Finish, Add</i>	5.28	
<i>For Work In Restricted Working Space, Add</i>	13.77	
22 07 19 00-0226 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	114.59	20.31
<i>For Single Layer Of Felt Finish, Add</i>	6.21	
<i>For Work In Restricted Working Space, Add</i>	16.64	
22 07 19 00-0227 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	130.97	23.96
<i>For Single Layer Of Felt Finish, Add</i>	6.89	
<i>For Work In Restricted Working Space, Add</i>	19.61	
22 07 19 00-0228 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	147.85	28.21
<i>For Single Layer Of Felt Finish, Add</i>	7.44	
<i>For Work In Restricted Working Space, Add</i>	23.09	
22 07 19 00-0229 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	167.02	33.32
<i>For Single Layer Of Felt Finish, Add</i>	7.96	
<i>For Work In Restricted Working Space, Add</i>	27.35	
22 07 19 00-0230 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	202.10	42.35
<i>For Single Layer Of Felt Finish, Add</i>	9.05	
<i>For Work In Restricted Working Space, Add</i>	34.78	
22 07 19 00-0231 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	237.17	51.58
<i>For Single Layer Of Felt Finish, Add</i>	10.13	
<i>For Work In Restricted Working Space, Add</i>	42.21	
22 07 19 00-0232 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	255.27	56.68
<i>For Single Layer Of Felt Finish, Add</i>	10.52	
<i>For Work In Restricted Working Space, Add</i>	46.52	
22 07 19 00-0233 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	271.51	61.01
<i>For Single Layer Of Felt Finish, Add</i>	10.94	
<i>For Work In Restricted Working Space, Add</i>	50.18	

22 07 19 00-0234 Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19)
 Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0235 1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0234)</small>		
22 07 19 00-0236 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation	15.33	4.15
<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0237 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.04	4.15
<i>For Work In Restricted Working Space, Add</i>	3.77	
22 07 19 00-0238 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation	16.93	4.21
<i>For Work In Restricted Working Space, Add</i>	3.82	
22 07 19 00-0239 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	17.35	4.27
<i>For Work In Restricted Working Space, Add</i>	3.88	
22 07 19 00-0240 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	18.01	4.33
<i>For Work In Restricted Working Space, Add</i>	3.93	
22 07 19 00-0241 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation	19.27	4.45
<i>For Work In Restricted Working Space, Add</i>	4.04	
22 07 19 00-0242 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.83	4.63
<i>For Work In Restricted Working Space, Add</i>	4.21	
22 07 19 00-0243 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation	22.57	4.75
<i>For Work In Restricted Working Space, Add</i>	4.32	
22 07 19 00-0244 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation	26.26	5.10
<i>For Work In Restricted Working Space, Add</i>	4.64	
22 07 19 00-0245 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation	33.77	5.76
<i>For Work In Restricted Working Space, Add</i>	5.24	

22 07 19 00-0246 1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0234)</small>		
22 07 19 00-0247 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.35	5.44
<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0248 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	21.79	5.44
<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0249 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.24	5.44
<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0250 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.11	5.61
<i>For Work In Restricted Working Space, Add</i>	5.10	
22 07 19 00-0251 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	23.96	5.81
<i>For Work In Restricted Working Space, Add</i>	5.27	
22 07 19 00-0252 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.97	6.01
<i>For Work In Restricted Working Space, Add</i>	5.46	
22 07 19 00-0253 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.26	6.24
<i>For Work In Restricted Working Space, Add</i>	5.67	
22 07 19 00-0254 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	32.36	6.47
<i>For Work In Restricted Working Space, Add</i>	5.89	
22 07 19 00-0255 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	36.02	6.73
<i>For Work In Restricted Working Space, Add</i>	6.11	
22 07 19 00-0256 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	40.88	7.13
<i>For Work In Restricted Working Space, Add</i>	6.48	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0257	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	44.58	7.57
			<i>For Work In Restricted Working Space, Add</i>	6.89	
22 07 19 00-0258	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	54.64	8.90
			<i>For Work In Restricted Working Space, Add</i>	8.09	
22 07 19 00-0259	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	62.61	10.35
			<i>For Work In Restricted Working Space, Add</i>	9.40	
22 07 19 00-0260	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	68.02	10.70
			<i>For Work In Restricted Working Space, Add</i>	9.72	
22 07 19 00-0261	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation	74.80	11.95
			<i>For Work In Restricted Working Space, Add</i>	10.86	
22 07 19 00-0262	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation	84.49	14.13
			<i>For Work In Restricted Working Space, Add</i>	12.85	
22 07 19 00-0263	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation	94.46	15.64
			<i>For Work In Restricted Working Space, Add</i>	14.23	
22 07 19 00-0264	LF		24" Diameter Pipe, 2" Thick Fiberglass Insulation	119.01	17.33
			<i>For Work In Restricted Working Space, Add</i>	15.76	
22 07 19 00-0265 2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)					
22 07 19 00-0266	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation	20.78	4.75
			<i>For Work In Restricted Working Space, Add</i>	4.32	
22 07 19 00-0267	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation	21.47	4.75
			<i>For Work In Restricted Working Space, Add</i>	4.32	
22 07 19 00-0268	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation	22.32	4.80
			<i>For Work In Restricted Working Space, Add</i>	4.37	
22 07 19 00-0269	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	23.60	4.87
			<i>For Work In Restricted Working Space, Add</i>	4.43	
22 07 19 00-0270	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	24.88	4.93
			<i>For Work In Restricted Working Space, Add</i>	4.48	
22 07 19 00-0271	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation	28.01	5.10
			<i>For Work In Restricted Working Space, Add</i>	4.64	
22 07 19 00-0272	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.41	5.29
			<i>For Work In Restricted Working Space, Add</i>	4.81	
22 07 19 00-0273	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation	31.67	5.47
			<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0274	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation	35.85	5.77
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 07 19 00-0275	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation	43.05	6.55
			<i>For Work In Restricted Working Space, Add</i>	5.96	
22 07 19 00-0276	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation	47.91	7.31
			<i>For Work In Restricted Working Space, Add</i>	6.64	
22 07 19 00-0277	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation	58.54	8.42
			<i>For Work In Restricted Working Space, Add</i>	7.66	
22 07 19 00-0278	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation	72.51	10.47
			<i>For Work In Restricted Working Space, Add</i>	9.52	
22 07 19 00-0279	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation	77.35	11.43
			<i>For Work In Restricted Working Space, Add</i>	10.39	
22 07 19 00-0280	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation	90.88	14.60
			<i>For Work In Restricted Working Space, Add</i>	13.28	
22 07 19 00-0281	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation	99.38	15.34
			<i>For Work In Restricted Working Space, Add</i>	13.94	
22 07 19 00-0282	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation	109.65	17.53
			<i>For Work In Restricted Working Space, Add</i>	15.94	
22 07 19 00-0283	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation	137.95	21.18
			<i>For Work In Restricted Working Space, Add</i>	19.25	
22 07 19 00-0284 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)					
22 07 19 00-0285	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.55	5.15
			<i>For Work In Restricted Working Space, Add</i>	4.68	
22 07 19 00-0286	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.72	5.14
			<i>For Work In Restricted Working Space, Add</i>	4.67	
22 07 19 00-0287	LF		1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	28.17	5.22
			<i>For Work In Restricted Working Space, Add</i>	4.76	
22 07 19 00-0288	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.46	5.26
			<i>For Work In Restricted Working Space, Add</i>	4.79	
22 07 19 00-0289	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.77	5.31
			<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0290	LF		2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.07	5.53
			<i>For Work In Restricted Working Space, Add</i>	5.03	
22 07 19 00-0291	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.28	5.72
			<i>For Work In Restricted Working Space, Add</i>	5.20	
22 07 19 00-0292	LF		3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	38.46	5.92
			<i>For Work In Restricted Working Space, Add</i>	5.38	
22 07 19 00-0293	LF		4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.31	6.24
			<i>For Work In Restricted Working Space, Add</i>	5.67	
22 07 19 00-0294	LF		6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.98	7.10
			<i>For Work In Restricted Working Space, Add</i>	6.45	
22 07 19 00-0295	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	57.92	7.91
			<i>For Work In Restricted Working Space, Add</i>	7.19	
22 07 19 00-0296	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	66.04	9.12
			<i>For Work In Restricted Working Space, Add</i>	8.29	
22 07 19 00-0297	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	82.24	11.33
			<i>For Work In Restricted Working Space, Add</i>	10.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0298 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.45 11.25	12.37
22 07 19 00-0299 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.10 14.38	15.81
22 07 19 00-0300 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	109.16 15.10	16.61
22 07 19 00-0301 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	125.57 17.25	18.97
22 07 19 00-0302 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	157.73 20.85	22.94
22 07 19 00-0303 3" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0304 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.29 4.98	5.48
22 07 19 00-0305 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.99 4.98	5.48
22 07 19 00-0306 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.97 5.06	5.57
22 07 19 00-0307 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.79 5.09	5.60
22 07 19 00-0308 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.64 5.13	5.65
22 07 19 00-0309 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.34 5.35	5.88
22 07 19 00-0310 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.93 5.53	6.09
22 07 19 00-0311 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.70 5.72	6.30
22 07 19 00-0312 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	52.47 6.03	6.63
22 07 19 00-0313 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.31 6.86	7.55
22 07 19 00-0314 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.78 7.65	8.41
22 07 19 00-0315 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	77.48 8.82	9.70
22 07 19 00-0316 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.55 10.96	12.06
22 07 19 00-0317 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.74 11.97	13.16
22 07 19 00-0318 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	113.66 15.29	16.83
22 07 19 00-0319 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	121.88 16.06	17.66
22 07 19 00-0320 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	143.12 18.35	20.19
22 07 19 00-0321 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	175.14 22.18	24.40
22 07 19 00-0322 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0323 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.64 6.03	6.63
22 07 19 00-0324 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.53 6.03	6.63
22 07 19 00-0325 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.56 6.08	6.68
22 07 19 00-0326 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.57 6.11	6.72
22 07 19 00-0327 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.72 6.19	6.80
22 07 19 00-0328 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.17 6.40	7.05
22 07 19 00-0329 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.64 6.62	7.29
22 07 19 00-0330 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	53.60 6.86	7.55
22 07 19 00-0331 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.46 7.25	7.98
22 07 19 00-0332 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.22 8.23	9.06
22 07 19 00-0333 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	75.43 9.17	10.09
22 07 19 00-0334 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	90.48 10.58	11.65
22 07 19 00-0335 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	106.47 13.16	14.47
22 07 19 00-0336 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	110.64 14.36	15.80
22 07 19 00-0337 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	131.86 18.35	20.19
22 07 19 00-0338 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	145.54 19.27	21.21

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0339	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	165.63	24.25
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 07 19 00-0340	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	203.69	29.28
			<i>For Work In Restricted Working Space, Add</i>	26.61	
22 07 19 00-0341			4" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0342	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation	45.80	8.16
			<i>For Work In Restricted Working Space, Add</i>	7.41	
22 07 19 00-0343	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation	46.94	8.16
			<i>For Work In Restricted Working Space, Add</i>	7.41	
22 07 19 00-0344	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation	48.51	8.29
			<i>For Work In Restricted Working Space, Add</i>	7.54	
22 07 19 00-0345	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	49.94	8.39
			<i>For Work In Restricted Working Space, Add</i>	7.63	
22 07 19 00-0346	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	51.89	8.66
			<i>For Work In Restricted Working Space, Add</i>	7.87	
22 07 19 00-0347	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation	56.32	8.93
			<i>For Work In Restricted Working Space, Add</i>	8.11	
22 07 19 00-0348	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	60.35	9.07
			<i>For Work In Restricted Working Space, Add</i>	8.24	
22 07 19 00-0349	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation	63.42	9.40
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 07 19 00-0350	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation	69.19	10.48
			<i>For Work In Restricted Working Space, Add</i>	9.53	
22 07 19 00-0351	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation	80.58	11.25
			<i>For Work In Restricted Working Space, Add</i>	10.23	
22 07 19 00-0352	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation	91.31	12.20
			<i>For Work In Restricted Working Space, Add</i>	11.09	
22 07 19 00-0353	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation	104.24	14.49
			<i>For Work In Restricted Working Space, Add</i>	13.18	
22 07 19 00-0354	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation	121.11	18.01
			<i>For Work In Restricted Working Space, Add</i>	16.37	
22 07 19 00-0355	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation	131.63	19.67
			<i>For Work In Restricted Working Space, Add</i>	17.88	
22 07 19 00-0356	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation	155.11	25.14
			<i>For Work In Restricted Working Space, Add</i>	22.86	
22 07 19 00-0357	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation	173.60	26.35
			<i>For Work In Restricted Working Space, Add</i>	23.96	
22 07 19 00-0358	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation	194.20	30.15
			<i>For Work In Restricted Working Space, Add</i>	27.42	
22 07 19 00-0359	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation	247.47	36.44
			<i>For Work In Restricted Working Space, Add</i>	33.12	
22 07 19 00-0360			Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)		
			Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0361			3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0362	LF		1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.28	2.54
			<i>For Work In Restricted Working Space, Add</i>	1.53	
22 07 19 00-0363	LF		1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.29	2.54
			<i>For Work In Restricted Working Space, Add</i>	1.53	
22 07 19 00-0364	LF		3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.30	2.54
			<i>For Work In Restricted Working Space, Add</i>	1.53	
22 07 19 00-0365	LF		1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.50	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 07 19 00-0366	LF		3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.72	2.72
			<i>For Work In Restricted Working Space, Add</i>	1.64	
22 07 19 00-0367	LF		1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.89	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0368	LF		1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.07	2.81
			<i>For Work In Restricted Working Space, Add</i>	1.69	
22 07 19 00-0369	LF		1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.14	2.81
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0370	LF		2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	6.32	2.81
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0371	LF		2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.73	2.90
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0372	LF		3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	6.90	2.95
			<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0373			1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0374	LF		1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.82	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0375	LF		1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.84	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.66	
22 07 19 00-0376	LF		3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.89	2.77
			<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0377	LF		1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.98	2.81
			<i>For Work In Restricted Working Space, Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0378 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.06 1.70	2.81
22 07 19 00-0379 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.31 1.74	2.90
22 07 19 00-0380 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.05 1.63	2.95
22 07 19 00-0381 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.72 1.79	2.99
22 07 19 00-0382 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.98 1.82	3.03
22 07 19 00-0383 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.44 1.88	3.13
22 07 19 00-0384 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.88 1.90	3.17
22 07 19 00-0385 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.29 1.93	3.21
22 07 19 00-0386 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.56 1.96	3.25
22 07 19 00-0387 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0388 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.39 1.79	2.99
22 07 19 00-0389 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.42 1.79	2.99
22 07 19 00-0390 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.51 1.82	3.03
22 07 19 00-0391 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.85 1.88	3.13
22 07 19 00-0392 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.00 1.90	3.17
22 07 19 00-0393 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.40 1.96	3.25
22 07 19 00-0394 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.76 1.98	3.30
22 07 19 00-0395 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.93 1.99	3.30
22 07 19 00-0396 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.56 2.01	3.35
22 07 19 00-0397 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.48 2.06	3.43
22 07 19 00-0398 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.56 2.09	3.48
22 07 19 00-0399 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.22 2.12	3.52
22 07 19 00-0400 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.50 2.14	3.57
22 07 19 00-0401 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0402 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.23 1.98	3.30
22 07 19 00-0403 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.38 2.01	3.35
22 07 19 00-0404 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.83 2.06	3.43
22 07 19 00-0405 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.97 2.09	3.48
22 07 19 00-0406 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.62 2.14	3.57
22 07 19 00-0407 LF 1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.97 2.20	3.66
22 07 19 00-0408 LF 1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.11 2.22	3.66
22 07 19 00-0409 LF 2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.70 2.25	3.74
22 07 19 00-0410 LF 2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.15 2.30	3.84
22 07 19 00-0411 LF 3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.54 2.33	3.89
22 07 19 00-0412 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: No additional LF for fittings required.		
22 07 19 00-0413 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0414 LF 1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.33 1.53	2.54
22 07 19 00-0415 LF 3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.38 1.53	2.54
22 07 19 00-0416 LF 1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.56 1.58	2.64
22 07 19 00-0417 LF 5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.64 1.61	2.68

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0418 LF 3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....5.80 <i>For Work In Restricted Working Space, Add</i> 1.64	5.80	2.72
22 07 19 00-0419 LF 7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....5.84 <i>For Work In Restricted Working Space, Add</i> 1.65	5.84	2.72
22 07 19 00-0420 LF 1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....5.93 <i>For Work In Restricted Working Space, Add</i> 1.66	5.93	2.77
22 07 19 00-0421 LF 1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....5.97 <i>For Work In Restricted Working Space, Add</i> 1.67	5.97	2.77
22 07 19 00-0422 LF 1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.11 <i>For Work In Restricted Working Space, Add</i> 1.69	6.11	2.81
22 07 19 00-0423 LF 1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.19 <i>For Work In Restricted Working Space, Add</i> 1.70	6.19	2.81
22 07 19 00-0424 LF 2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.39 <i>For Work In Restricted Working Space, Add</i> 1.70	6.39	2.81
22 07 19 00-0425 LF 2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.50 <i>For Work In Restricted Working Space, Add</i> 1.71	6.50	2.86
22 07 19 00-0426 LF 2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.68 <i>For Work In Restricted Working Space, Add</i> 1.74	6.68	2.90
22 07 19 00-0427 LF 2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.81 <i>For Work In Restricted Working Space, Add</i> 1.76	6.81	2.90
22 07 19 00-0428 LF 2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.90 <i>For Work In Restricted Working Space, Add</i> 1.77	6.90	2.95
22 07 19 00-0429 LF 3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.03 <i>For Work In Restricted Working Space, Add</i> 1.78	7.03	2.95
22 07 19 00-0430 LF 3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.30 <i>For Work In Restricted Working Space, Add</i> 1.79	7.30	2.99
22 07 19 00-0431 LF 4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.63 <i>For Work In Restricted Working Space, Add</i> 1.82	7.63	3.03
22 07 19 00-0432 LF 4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.96 <i>For Work In Restricted Working Space, Add</i> 1.83	7.96	3.05
22 07 19 00-0433 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0434 LF 1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....5.90 <i>For Work In Restricted Working Space, Add</i> 1.66	5.90	2.77
22 07 19 00-0435 LF 3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....5.98 <i>For Work In Restricted Working Space, Add</i> 1.67	5.98	2.77
22 07 19 00-0436 LF 1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.08 <i>For Work In Restricted Working Space, Add</i> 1.69	6.08	2.81
22 07 19 00-0437 LF 3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.17 <i>For Work In Restricted Working Space, Add</i> 1.70	6.17	2.81
22 07 19 00-0438 LF 1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.36 <i>For Work In Restricted Working Space, Add</i> 1.74	6.36	2.90
22 07 19 00-0439 LF 1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.53 <i>For Work In Restricted Working Space, Add</i> 1.77	6.53	2.95
22 07 19 00-0440 LF 1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.76 <i>For Work In Restricted Working Space, Add</i> 1.79	6.76	2.99
22 07 19 00-0441 LF 2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.06 <i>For Work In Restricted Working Space, Add</i> 1.82	7.06	3.03
22 07 19 00-0442 LF 2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.51 <i>For Work In Restricted Working Space, Add</i> 1.88	7.51	3.13
22 07 19 00-0443 LF 3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.72 <i>For Work In Restricted Working Space, Add</i> 1.90	7.72	3.17
22 07 19 00-0444 LF 3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.33 <i>For Work In Restricted Working Space, Add</i> 1.93	8.33	3.21
22 07 19 00-0445 LF 4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.57 <i>For Work In Restricted Working Space, Add</i> 1.96	8.57	3.25
22 07 19 00-0446 LF 5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....9.40 <i>For Work In Restricted Working Space, Add</i> 1.98	9.40	3.30
22 07 19 00-0447 LF 6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....9.98 <i>For Work In Restricted Working Space, Add</i> 2.03	9.98	3.39
22 07 19 00-0448 LF 8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....11.51 <i>For Work In Restricted Working Space, Add</i> 2.09	11.51	3.48
22 07 19 00-0449 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0450 LF 1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.55 <i>For Work In Restricted Working Space, Add</i> 1.79	6.55	2.99
22 07 19 00-0451 LF 3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.69 <i>For Work In Restricted Working Space, Add</i> 1.82	6.69	3.03
22 07 19 00-0452 LF 1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....6.99 <i>For Work In Restricted Working Space, Add</i> 1.88	6.99	3.13
22 07 19 00-0453 LF 3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.24 <i>For Work In Restricted Working Space, Add</i> 1.90	7.24	3.17
22 07 19 00-0454 LF 1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.55 <i>For Work In Restricted Working Space, Add</i> 1.96	7.55	3.25
22 07 19 00-0455 LF 1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....7.99 <i>For Work In Restricted Working Space, Add</i> 1.98	7.99	3.30
22 07 19 00-0456 LF 1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.26 <i>For Work In Restricted Working Space, Add</i> 2.01	8.26	3.35
22 07 19 00-0457 LF 2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....8.54 <i>For Work In Restricted Working Space, Add</i> 2.01	8.54	3.35
22 07 19 00-0458 LF 2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....9.33 <i>For Work In Restricted Working Space, Add</i> 2.06	9.33	3.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0459 LF 3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.75 2.09	3.48
22 07 19 00-0460 LF 3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.36 2.12	3.52
22 07 19 00-0461 LF 4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.66 2.14	3.57
22 07 19 00-0462 LF 5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.84 1.08	4.25
22 07 19 00-0463 LF 6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.43 2.20	3.66
22 07 19 00-0464 LF 8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.67 2.25	3.74
22 07 19 00-0465 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0466 LF 3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.04 2.01	3.35
22 07 19 00-0467 LF 1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.30 2.06	3.43
22 07 19 00-0468 LF 3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.70 2.09	3.48
22 07 19 00-0469 LF 1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.17 2.14	3.57
22 07 19 00-0470 LF 1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.62 2.20	3.66
22 07 19 00-0471 LF 1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.06 2.22	3.66
22 07 19 00-0472 LF 2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.07 2.25	3.74
22 07 19 00-0473 LF 2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.32 2.30	3.84
22 07 19 00-0474 LF 3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.93 2.33	3.89
22 07 19 00-0475 LF 3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.18 2.36	3.93
22 07 19 00-0476 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.81 2.41	4.02
22 07 19 00-0477 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.13 2.46	4.11
22 07 19 00-0478 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.49 2.51	4.20
22 07 19 00-0479 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0480 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0479)		
22 07 19 00-0481 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.35 1.53	2.54
22 07 19 00-0482 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.37 1.53	2.54
22 07 19 00-0483 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.41 1.53	2.54
22 07 19 00-0484 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.58	2.64
22 07 19 00-0485 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.84 1.64	2.72
22 07 19 00-0486 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.98 1.66	2.77
22 07 19 00-0487 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.20 1.69	2.81
22 07 19 00-0488 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.34 1.70	2.81
22 07 19 00-0489 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.46 1.70	2.90
22 07 19 00-0490 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.98 1.76	2.90
22 07 19 00-0491 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.41 1.78	2.95
22 07 19 00-0492 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.52 1.82	3.03
22 07 19 00-0493 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0479)		
22 07 19 00-0494 LF 1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.94 1.66	2.77
22 07 19 00-0495 LF 1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.97 1.66	2.77
22 07 19 00-0496 LF 3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.02 1.67	2.77
22 07 19 00-0497 LF 1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.12 1.69	2.81

22	Plumbing
22 07	Plumbing Insulation
22 07 19	Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0498	LF		3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.25	2.81
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0499	LF		1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.44	2.90
			<i>For Work In Restricted Working Space, Add</i>	1.74	
22 07 19 00-0500	LF		1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.67	2.95
			<i>For Work In Restricted Working Space, Add</i>	1.77	
22 07 19 00-0501	LF		1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.92	2.99
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0502	LF		2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.17	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0503	LF		2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.73	3.13
			<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0504	LF		3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.20	3.17
			<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0505	LF		4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.09	3.25
			<i>For Work In Restricted Working Space, Add</i>	1.96	
22 07 19 00-0506			3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0479)		
22 07 19 00-0507	LF		1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.58	2.99
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0508	LF		1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.62	2.99
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0509	LF		3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	6.81	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0510	LF		1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.07	3.13
			<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0511	LF		3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	7.39	3.17
			<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0512	LF		1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.74	3.25
			<i>For Work In Restricted Working Space, Add</i>	1.96	
22 07 19 00-0513	LF		1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.24	3.30
			<i>For Work In Restricted Working Space, Add</i>	1.98	
22 07 19 00-0514	LF		1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.57	3.30
			<i>For Work In Restricted Working Space, Add</i>	1.99	
22 07 19 00-0515	LF		2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.95	3.35
			<i>For Work In Restricted Working Space, Add</i>	2.01	
22 07 19 00-0516	LF		2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.71	3.43
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0517	LF		3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.37	3.48
			<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0518	LF		4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.65	3.57
			<i>For Work In Restricted Working Space, Add</i>	2.14	
22 07 19 00-0519			1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0479)		
22 07 19 00-0520	LF		1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.69	3.30
			<i>For Work In Restricted Working Space, Add</i>	1.98	
22 07 19 00-0521	LF		1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.72	3.30
			<i>For Work In Restricted Working Space, Add</i>	1.98	
22 07 19 00-0522	LF		3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.83	3.35
			<i>For Work In Restricted Working Space, Add</i>	2.01	
22 07 19 00-0523	LF		1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.09	3.43
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0524	LF		3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.54	3.48
			<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0525	LF		1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.97	3.57
			<i>For Work In Restricted Working Space, Add</i>	2.14	
22 07 19 00-0526	LF		1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.40	3.66
			<i>For Work In Restricted Working Space, Add</i>	2.20	
22 07 19 00-0527	LF		1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.79	3.66
			<i>For Work In Restricted Working Space, Add</i>	2.22	
22 07 19 00-0528	LF		2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.63	3.74
			<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0529	LF		2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.75	3.84
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0530	LF		3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.55	3.89
			<i>For Work In Restricted Working Space, Add</i>	2.33	

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0001				Galvanized Steel Pipe Assemblies <small>(22 11 16)</small> Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
22 11 16 00-0002	LF			1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 12.52 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -0.33 <i>For Work In Restricted Working Space, Add</i> 3.10 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 3.05	12.52	3.11
22 11 16 00-0003	LF			3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 13.52 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -0.39 <i>For Work In Restricted Working Space, Add</i> 3.28 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 3.35	13.52	3.34
22 11 16 00-0004	LF			1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 14.89 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -0.48 <i>For Work In Restricted Working Space, Add</i> 3.50 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 3.78	14.89	3.66
22 11 16 00-0005	LF			1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 17.02 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -0.69 <i>For Work In Restricted Working Space, Add</i> 3.72 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.56	17.02	3.82
22 11 16 00-0006	LF			1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 18.01 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -0.76 <i>For Work In Restricted Working Space, Add</i> 3.88 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 4.87	18.01	4.51
22 11 16 00-0007	LF			2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 21.18 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -0.97 <i>For Work In Restricted Working Space, Add</i> 4.41 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 5.85	21.18	5.45
22 11 16 00-0008	LF			2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 28.46 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -1.68 <i>For Work In Restricted Working Space, Add</i> 5.17 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 8.50	28.46	6.45
22 11 16 00-0009	LF			3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 35.08 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -2.13 <i>For Work In Restricted Working Space, Add</i> 6.27 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 10.56	35.08	8.64
22 11 16 00-0010	LF			4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 48.61 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -3.76 <i>For Work In Restricted Working Space, Add</i> 7.06 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 15.99	48.61	10.07
22 11 16 00-0011	LF			5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 77.99 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -7.44 <i>For Work In Restricted Working Space, Add</i> 8.53 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 27.99	77.99	12.87
22 11 16 00-0012	LF			6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly 45.66 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> -2.01 <i>For Work In Restricted Working Space, Add</i> 9.69 <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 12.47	45.66	15.22
22 11 16 00-0013				Galvanized Steel Pipe And Threaded Fittings <small>(22 11 16)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014				Threaded And Coupled, Galvanized Steel Piping <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Includes coupling.		
22 11 16 00-0015	LF			1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... 5.67 <i>For ASTM 120, Deduct</i> -0.14 <i>For Work In Restricted Working Space, Add</i> 1.41 <i>For Schedule 80 Pipe, Add</i> 0.93	5.67	3.11
22 11 16 00-0016	LF			3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... 6.28 <i>For ASTM 120, Deduct</i> -0.19 <i>For Work In Restricted Working Space, Add</i> 1.50 <i>For Schedule 80 Pipe, Add</i> 1.11	6.28	3.34

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0017	LF		1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	7.33	3.66
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Work In Restricted Working Space, Add</i>	1.63	
			<i>For Schedule 80 Pipe, Add</i>	1.45	
22 11 16 00-0018	LF		1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	8.32	3.82
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Schedule 80 Pipe, Add</i>	1.80	
22 11 16 00-0019	LF		1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	9.83	4.51
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Schedule 80 Pipe, Add</i>	2.15	
22 11 16 00-0020	LF		2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	12.30	5.45
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	2.46	
			<i>For Schedule 80 Pipe, Add</i>	2.79	
22 11 16 00-0021	LF		2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	16.25	6.45
			<i>For ASTM 120, Deduct</i>	-0.98	
			<i>For Work In Restricted Working Space, Add</i>	2.92	
			<i>For Schedule 80 Pipe, Add</i>	4.10	
22 11 16 00-0022	LF		3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	21.50	8.64
			<i>For ASTM 120, Deduct</i>	-1.28	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Pipe, Add</i>	5.39	
22 11 16 00-0023	LF		4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	27.29	10.07
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	4.54	
			<i>For Schedule 80 Pipe, Add</i>	7.35	
22 11 16 00-0024	LF		5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	35.56	12.87
			<i>For ASTM 120, Deduct</i>	-2.44	
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Schedule 80 Pipe, Add</i>	9.75	
22 11 16 00-0025	LF		6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	43.94	15.22
			<i>For ASTM 120, Deduct</i>	-3.17	
			<i>For Work In Restricted Working Space, Add</i>	6.84	
			<i>For Schedule 80 Pipe, Add</i>	12.43	
22 11 16 00-0026			Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0027	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	22.36	13.85
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
			<i>For 300 LB Rating, Add</i>	6.75	
22 11 16 00-0028	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	25.20	15.49
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For Work In Restricted Working Space, Add</i>	6.97	
			<i>For 300 LB Rating, Add</i>	8.13	
22 11 16 00-0029	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	29.61	17.27
			<i>For ASTM 120, Deduct</i>	-0.55	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
			<i>For 300 LB Rating, Add</i>	14.07	
22 11 16 00-0030	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	35.17	19.61
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	8.81	
			<i>For 300 LB Rating, Add</i>	21.52	
22 11 16 00-0031	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	40.69	22.09
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	9.93	
			<i>For 300 LB Rating, Add</i>	27.76	
22 11 16 00-0032	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	54.47	28.09
			<i>For ASTM 120, Deduct</i>	-1.86	
			<i>For Work In Restricted Working Space, Add</i>	12.62	
			<i>For 300 LB Rating, Add</i>	44.75	
22 11 16 00-0033	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	94.74	41.55
			<i>For ASTM 120, Deduct</i>	-4.88	
			<i>For Work In Restricted Working Space, Add</i>	18.67	
			<i>For 300 LB Rating, Add</i>	114.23	
22 11 16 00-0034	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	135.48	54.62
			<i>For ASTM 120, Deduct</i>	-8.04	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
			<i>For 300 LB Rating, Add</i>	187.09	
22 11 16 00-0035	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	182.82	58.90
			<i>For ASTM 120, Deduct</i>	-14.18	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
			<i>For 300 LB Rating, Add</i>	326.60	
22 11 16 00-0036	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	500.29	61.47
			<i>For ASTM 120, Deduct</i>	-61.22	
			<i>For Work In Restricted Working Space, Add</i>	27.65	
			<i>For 300 LB Rating, Add</i>	1,393.14	
22 11 16 00-0037	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	472.59	64.27
			<i>For ASTM 120, Deduct</i>	-56.44	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
			<i>For 300 LB Rating, Add</i>	1,285.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0038 Galvanized Malleable Iron Reducing 90 Degree Elbows <small>(22 11 16 00-0013)</small>						
	22 11 16 00-0039	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.43	14.63
				<i>For ASTM 120, Deduct</i>	-0.52	
				<i>For Work In Restricted Working Space, Add</i>	6.59	
	22 11 16 00-0040	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	29.01	16.41
				<i>For ASTM 120, Deduct</i>	-0.66	
				<i>For Work In Restricted Working Space, Add</i>	7.37	
	22 11 16 00-0041	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	28.04	15.56
				<i>For ASTM 120, Deduct</i>	-0.71	
				<i>For Work In Restricted Working Space, Add</i>	7.00	
	22 11 16 00-0042	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	35.07	18.44
				<i>For ASTM 120, Deduct</i>	-1.11	
				<i>For Work In Restricted Working Space, Add</i>	8.29	
	22 11 16 00-0043	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	35.21	17.50
				<i>For ASTM 120, Deduct</i>	-1.34	
				<i>For Work In Restricted Working Space, Add</i>	7.89	
	22 11 16 00-0044	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	34.50	16.73
				<i>For ASTM 120, Deduct</i>	-1.42	
				<i>For Work In Restricted Working Space, Add</i>	7.52	
	22 11 16 00-0045	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	43.10	20.85
				<i>For ASTM 120, Deduct</i>	-1.78	
				<i>For Work In Restricted Working Space, Add</i>	9.37	
	22 11 16 00-0046	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	41.38	19.69
				<i>For ASTM 120, Deduct</i>	-1.78	
				<i>For Work In Restricted Working Space, Add</i>	8.85	
	22 11 16 00-0047	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	40.04	18.75
				<i>For ASTM 120, Deduct</i>	-1.78	
				<i>For Work In Restricted Working Space, Add</i>	8.45	
	22 11 16 00-0048	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	51.45	25.05
				<i>For ASTM 120, Deduct</i>	-2.08	
				<i>For Work In Restricted Working Space, Add</i>	11.27	
	22 11 16 00-0049	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	51.61	23.81
				<i>For ASTM 120, Deduct</i>	-2.39	
				<i>For Work In Restricted Working Space, Add</i>	10.71	
	22 11 16 00-0050	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	50.50	22.64
				<i>For ASTM 120, Deduct</i>	-2.48	
				<i>For Work In Restricted Working Space, Add</i>	10.20	
	22 11 16 00-0051	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	45.15	21.78
				<i>For ASTM 120, Deduct</i>	-1.88	
				<i>For Work In Restricted Working Space, Add</i>	9.79	
	22 11 16 00-0052	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	99.16	34.78
				<i>For ASTM 120, Deduct</i>	-7.05	
				<i>For Work In Restricted Working Space, Add</i>	15.65	
	22 11 16 00-0053	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	100.05	31.82
				<i>For ASTM 120, Deduct</i>	-7.86	
				<i>For Work In Restricted Working Space, Add</i>	14.30	
	22 11 16 00-0054	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	157.51	48.08
				<i>For ASTM 120, Deduct</i>	-12.82	
				<i>For Work In Restricted Working Space, Add</i>	21.62	
	22 11 16 00-0055	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	136.18	41.32
				<i>For ASTM 120, Deduct</i>	-11.13	
				<i>For Work In Restricted Working Space, Add</i>	18.59	
	22 11 16 00-0056	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	277.35	56.02
				<i>For ASTM 120, Deduct</i>	-29.00	
				<i>For Work In Restricted Working Space, Add</i>	25.21	
22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow <small>(22 11 16 00-0013)</small>						
	22 11 16 00-0058	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	23.30	13.85
				<i>For ASTM 120, Deduct</i>	-0.38	
				<i>For Work In Restricted Working Space, Add</i>	6.22	
				<i>For 300 LB Rating, Add</i>	9.95	
	22 11 16 00-0059	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	26.90	15.49
				<i>For ASTM 120, Deduct</i>	-0.55	
				<i>For Work In Restricted Working Space, Add</i>	6.97	
				<i>For 300 LB Rating, Add</i>	13.91	
	22 11 16 00-0060	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	30.08	17.27
				<i>For ASTM 120, Deduct</i>	-0.62	
				<i>For Work In Restricted Working Space, Add</i>	7.78	
				<i>For 300 LB Rating, Add</i>	15.67	
	22 11 16 00-0061	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	37.11	19.61
				<i>For ASTM 120, Deduct</i>	-1.16	
				<i>For Work In Restricted Working Space, Add</i>	8.81	
				<i>For 300 LB Rating, Add</i>	28.11	
	22 11 16 00-0062	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	42.22	22.09
				<i>For ASTM 120, Deduct</i>	-1.37	
				<i>For Work In Restricted Working Space, Add</i>	9.93	
				<i>For 300 LB Rating, Add</i>	32.96	
	22 11 16 00-0063	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	55.53	28.09
				<i>For ASTM 120, Deduct</i>	-2.02	
				<i>For Work In Restricted Working Space, Add</i>	12.62	
				<i>For 300 LB Rating, Add</i>	48.36	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0064	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	109.13	41.55
			<i>For ASTM 120, Deduct</i>	-7.03	
			<i>For Work In Restricted Working Space, Add</i>	18.67	
			<i>For 300 LB Rating, Add</i>	163.16	
22 11 16 00-0065	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	150.10	54.62
			<i>For ASTM 120, Deduct</i>	-10.23	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
			<i>For 300 LB Rating, Add</i>	236.79	
22 11 16 00-0066	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	202.65	58.90
			<i>For ASTM 120, Deduct</i>	-17.15	
			<i>For Work In Restricted Working Space, Add</i>	26.50	
			<i>For 300 LB Rating, Add</i>	394.02	
22 11 16 00-0067	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	554.16	61.47
			<i>For ASTM 120, Deduct</i>	-69.30	
			<i>For Work In Restricted Working Space, Add</i>	27.65	
			<i>For 300 LB Rating, Add</i>	1,576.30	
22 11 16 00-0068	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	653.41	64.27
			<i>For ASTM 120, Deduct</i>	-83.56	
			<i>For Work In Restricted Working Space, Add</i>	28.91	
			<i>For 300 LB Rating, Add</i>	1,899.79	
22 11 16 00-0069			Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070	EA		1/2", 150 LB, Galvanized Malleable Iron Tee.....	28.02	17.27
			<i>For ASTM 120, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
			<i>For 300 LB Rating, Add</i>	8.66	
22 11 16 00-0071	EA		3/4", 150 LB, Galvanized Malleable Iron Tee.....	33.38	20.00
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	8.98	
			<i>For 300 LB Rating, Add</i>	13.53	
22 11 16 00-0072	EA		1", 150 LB, Galvanized Malleable Iron Tee.....	40.95	23.57
			<i>For ASTM 120, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For 300 LB Rating, Add</i>	21.09	
22 11 16 00-0073	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	50.91	28.09
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	12.62	
			<i>For 300 LB Rating, Add</i>	32.65	
22 11 16 00-0074	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	61.21	33.45
			<i>For ASTM 120, Deduct</i>	-1.65	
			<i>For Work In Restricted Working Space, Add</i>	15.06	
			<i>For 300 LB Rating, Add</i>	40.45	
22 11 16 00-0075	EA		2", 150 LB, Galvanized Malleable Iron Tee.....	80.13	41.55
			<i>For ASTM 120, Deduct</i>	-2.68	
			<i>For Work In Restricted Working Space, Add</i>	18.67	
			<i>For 300 LB Rating, Add</i>	64.56	
22 11 16 00-0076	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	118.02	45.12
			<i>For ASTM 120, Deduct</i>	-7.56	
			<i>For Work In Restricted Working Space, Add</i>	20.30	
			<i>For 300 LB Rating, Add</i>	175.32	
22 11 16 00-0077	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	140.97	54.62
			<i>For ASTM 120, Deduct</i>	-8.86	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
			<i>For 300 LB Rating, Add</i>	205.75	
22 11 16 00-0078	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	251.31	74.42
			<i>For ASTM 120, Deduct</i>	-20.96	
			<i>For Work In Restricted Working Space, Add</i>	33.47	
			<i>For 300 LB Rating, Add</i>	481.81	
22 11 16 00-0079	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	571.76	88.35
			<i>For ASTM 120, Deduct</i>	-65.89	
			<i>For Work In Restricted Working Space, Add</i>	39.75	
			<i>For 300 LB Rating, Add</i>	1,501.47	
22 11 16 00-0080	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	649.64	101.00
			<i>For ASTM 120, Deduct</i>	-74.73	
			<i>For Work In Restricted Working Space, Add</i>	45.42	
			<i>For 300 LB Rating, Add</i>	1,703.07	
22 11 16 00-0081			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	30.79	17.27
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	7.78	
			<i>For 300 LB Rating, Add</i>	18.08	
22 11 16 00-0083	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	34.73	20.00
			<i>For ASTM 120, Deduct</i>	-0.72	
			<i>For Work In Restricted Working Space, Add</i>	8.98	
			<i>For 300 LB Rating, Add</i>	18.12	
22 11 16 00-0084	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	42.11	23.57
			<i>For ASTM 120, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For 300 LB Rating, Add</i>	25.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0085 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	52.50 -1.57 12.62 38.05	28.09
22 11 16 00-0086 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	63.11 -1.94 15.06 46.91	33.45
22 11 16 00-0087 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	81.09 -2.83 18.67 67.82	41.55
22 11 16 00-0088 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	134.45 -9.99 20.36 230.44	45.28
22 11 16 00-0089 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	169.55 -12.95 24.96 298.58	55.48
22 11 16 00-0090 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	361.87 -37.55 33.47 857.71	74.42
22 11 16 00-0091 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	713.07 -87.09 39.75 1,981.92	88.35
22 11 16 00-0092 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	809.92 -98.78 45.42 2,248.02	101.00
22 11 16 00-0093 Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0094 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	23.11 -0.36 6.22 9.30	13.85
22 11 16 00-0095 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	25.95 -0.41 6.97 10.68	15.49
22 11 16 00-0096 EA 1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	30.40 -0.67 7.78 16.75	17.27
22 11 16 00-0097 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	35.66 -0.95 8.81 23.18	19.61
22 11 16 00-0098 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	40.27 -1.07 9.93 26.33	22.09
22 11 16 00-0099 EA 2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	52.53 -1.57 12.62 38.16	28.09
22 11 16 00-0100 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	94.31 -4.81 18.67 112.77	41.55
22 11 16 00-0101 EA 3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	124.76 -6.43 24.57 150.64	54.62
22 11 16 00-0102 EA 4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	179.34 -13.65 26.50 314.77	58.90
22 11 16 00-0103 EA 5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	348.47 -38.45 27.65 876.95	61.47
22 11 16 00-0104 EA 6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	388.34 -43.80 28.91 998.55	64.27
22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0106 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	23.61	13.85
For ASTM 120, Deduct	-0.43	
For Work In Restricted Working Space, Add	6.22	
For 300 LB Rating, Add	11.00	
22 11 16 00-0107 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	26.29	15.49
For ASTM 120, Deduct	-0.46	
For Work In Restricted Working Space, Add	6.97	
For 300 LB Rating, Add	11.83	
22 11 16 00-0108 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	31.05	17.27
For ASTM 120, Deduct	-0.77	
For Work In Restricted Working Space, Add	7.78	
For 300 LB Rating, Add	18.96	
22 11 16 00-0109 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	35.98	19.61
For ASTM 120, Deduct	-0.99	
For Work In Restricted Working Space, Add	8.81	
For 300 LB Rating, Add	24.27	
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	41.64	22.09
For ASTM 120, Deduct	-1.28	
For Work In Restricted Working Space, Add	9.93	
For 300 LB Rating, Add	30.99	
22 11 16 00-0111 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	53.69	28.09
For ASTM 120, Deduct	-1.75	
For Work In Restricted Working Space, Add	12.62	
For 300 LB Rating, Add	42.10	
22 11 16 00-0112 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	94.71	41.55
For ASTM 120, Deduct	-4.87	
For Work In Restricted Working Space, Add	18.67	
For 300 LB Rating, Add	114.13	
22 11 16 00-0113 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	123.54	54.62
For ASTM 120, Deduct	-6.25	
For Work In Restricted Working Space, Add	24.57	
For 300 LB Rating, Add	146.49	
22 11 16 00-0114 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	181.69	58.90
For ASTM 120, Deduct	-14.01	
For Work In Restricted Working Space, Add	26.50	
For 300 LB Rating, Add	322.76	
22 11 16 00-0115 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	361.96	61.47
For ASTM 120, Deduct	-40.47	
For Work In Restricted Working Space, Add	27.65	
For 300 LB Rating, Add	922.82	
22 11 16 00-0116 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	403.71	64.27
For ASTM 120, Deduct	-46.10	
For Work In Restricted Working Space, Add	28.91	
For 300 LB Rating, Add	1,050.81	
22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0118 EA 1/2", 150 LB, Galvanized Malleable Iron Cap.....	11.52	6.45
For ASTM 120, Deduct	-0.27	
For Work In Restricted Working Space, Add	2.92	
For 300 LB Rating, Add	6.67	
22 11 16 00-0119 EA 3/4", 150 LB, Galvanized Malleable Iron Cap.....	12.85	6.93
For ASTM 120, Deduct	-0.37	
For Work In Restricted Working Space, Add	3.11	
For 300 LB Rating, Add	9.05	
22 11 16 00-0120 EA 1", 150 LB, Galvanized Malleable Iron Cap.....	15.04	8.02
For ASTM 120, Deduct	-0.46	
For Work In Restricted Working Space, Add	3.59	
For 300 LB Rating, Add	11.16	
22 11 16 00-0121 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap.....	16.60	8.40
For ASTM 120, Deduct	-0.61	
For Work In Restricted Working Space, Add	3.77	
For 300 LB Rating, Add	14.52	
22 11 16 00-0122 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap.....	17.73	8.40
For ASTM 120, Deduct	-0.78	
For Work In Restricted Working Space, Add	3.77	
For 300 LB Rating, Add	18.37	
22 11 16 00-0123 EA 2", 150 LB, Galvanized Malleable Iron Cap.....	24.00	11.13
For ASTM 120, Deduct	-1.09	
For Work In Restricted Working Space, Add	5.02	
For 300 LB Rating, Add	25.69	
22 11 16 00-0124 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap.....	41.82	13.85
For ASTM 120, Deduct	-3.16	
For Work In Restricted Working Space, Add	6.22	
For 300 LB Rating, Add	72.92	
22 11 16 00-0125 EA 3", 150 LB, Galvanized Malleable Iron Cap.....	50.64	16.73
For ASTM 120, Deduct	-3.83	
For Work In Restricted Working Space, Add	7.53	
For 300 LB Rating, Add	88.38	
22 11 16 00-0126 EA 4", 150 LB, Galvanized Malleable Iron Cap.....	86.73	20.22
For ASTM 120, Deduct	-8.47	
For Work In Restricted Working Space, Add	9.08	
For 300 LB Rating, Add	193.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0127 EA 5", 150 LB, Galvanized Malleable Iron Cap	189.31	25.28
For ASTM 120, Deduct	-22.72	
For Work In Restricted Working Space, Add	11.36	
For 300 LB Rating, Add	517.24	
22 11 16 00-0128 EA 6", 150 LB, Galvanized Malleable Iron Cap	236.52	30.05
For ASTM 120, Deduct	-28.71	
For Work In Restricted Working Space, Add	13.53	
For 300 LB Rating, Add	653.53	
22 11 16 00-0129 Galvanized Malleable Iron Unions <small>(22 11 16 00-0013)</small>		
22 11 16 00-0130 EA 1/2", 150 LB, Galvanized Malleable Iron Union	32.93	17.27
For Work In Restricted Working Space, Add	7.78	
22 11 16 00-0131 EA 3/4", 150 LB, Galvanized Malleable Iron Union	37.97	20.00
For Work In Restricted Working Space, Add	8.98	
22 11 16 00-0132 EA 1", 150 LB, Galvanized Malleable Iron Union	45.90	23.57
For Work In Restricted Working Space, Add	10.61	
22 11 16 00-0133 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	57.27	28.09
For Work In Restricted Working Space, Add	12.62	
22 11 16 00-0134 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	68.65	33.45
For Work In Restricted Working Space, Add	15.06	
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union	83.44	41.55
For Work In Restricted Working Space, Add	18.67	
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	165.54	61.24
For Work In Restricted Working Space, Add	27.56	
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union	224.00	80.53
For Work In Restricted Working Space, Add	36.27	
22 11 16 00-0138 EA 1/2", 250 LB, Galvanized Malleable Iron Union	40.16	17.27
For Work In Restricted Working Space, Add	7.78	
22 11 16 00-0139 EA 3/4", 250 LB, Galvanized Malleable Iron Union	42.85	20.00
For Work In Restricted Working Space, Add	8.98	
22 11 16 00-0140 EA 1", 250 LB, Galvanized Malleable Iron Union	51.40	23.57
For Work In Restricted Working Space, Add	10.61	
22 11 16 00-0141 EA 1-1/4", 250 LB, Galvanized Malleable Iron Union	66.32	28.09
For Work In Restricted Working Space, Add	12.62	
22 11 16 00-0142 EA 1-1/2", 250 LB, Galvanized Malleable Iron Union	78.14	33.45
For Work In Restricted Working Space, Add	15.06	
22 11 16 00-0143 EA 2", 250 LB, Galvanized Malleable Iron Union	101.70	41.55
For Work In Restricted Working Space, Add	18.67	
22 11 16 00-0144 EA 2-1/2", 250 LB, Galvanized Malleable Iron Union	195.71	61.24
For Work In Restricted Working Space, Add	27.57	
22 11 16 00-0145 EA 3", 250 LB, Galvanized Malleable Iron Union	280.18	80.53
For Work In Restricted Working Space, Add	36.27	
22 11 16 00-0146 EA 4", 250 LB, Galvanized Malleable Iron Union	380.24	86.91
For Work In Restricted Working Space, Add	39.11	
22 11 16 00-0147 EA 1/2", 300 LB, Galvanized Malleable Iron Union	42.14	17.27
For Work In Restricted Working Space, Add	7.78	
22 11 16 00-0148 EA 3/4", 300 LB, Galvanized Malleable Iron Union	47.50	20.00
For Work In Restricted Working Space, Add	8.98	
22 11 16 00-0149 EA 1", 300 LB, Galvanized Malleable Iron Union	58.69	23.57
For Work In Restricted Working Space, Add	10.61	
22 11 16 00-0150 EA 1-1/4", 300 LB, Galvanized Malleable Iron Union	74.57	28.09
For Work In Restricted Working Space, Add	12.62	
22 11 16 00-0151 EA 1-1/2", 300 LB, Galvanized Malleable Iron Union	89.36	33.45
For Work In Restricted Working Space, Add	15.06	
22 11 16 00-0152 EA 2", 300 LB, Galvanized Malleable Iron Union	109.24	41.55
For Work In Restricted Working Space, Add	18.67	
22 11 16 00-0153 EA 2-1/2", 300 LB, Galvanized Malleable Iron Union	223.00	61.24
For Work In Restricted Working Space, Add	27.57	
22 11 16 00-0154 EA 3", 300 LB, Galvanized Malleable Iron Union	342.64	80.53
For Work In Restricted Working Space, Add	36.27	
22 11 16 00-0155 EA 4", 300 LB, Galvanized Malleable Iron Union	686.50	86.91
For Work In Restricted Working Space, Add	39.11	
22 11 16 00-0156 Galvanized Steel Nipples <small>(22 11 16 00-0013)</small>		
Note: ASTM A-53.		
22 11 16 00-0157 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple	11.89	7.39
For ASTM 120, Deduct	-0.12	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	0.88	
22 11 16 00-0158 EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple	11.74	7.39
For ASTM 120, Deduct	-0.09	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	0.71	
22 11 16 00-0159 EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple	11.87	7.39
For ASTM 120, Deduct	-0.11	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	0.86	
22 11 16 00-0160 EA 1" x Close, Schedule 40 Galvanized Steel Nipple	13.01	8.02
For ASTM 120, Deduct	-0.16	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	1.19	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0161	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple.....	14.36	8.64
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	1.58	
22 11 16 00-0162	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	14.60	8.64
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	1.86	
22 11 16 00-0163	EA		2" x Close, Schedule 40 Galvanized Steel Nipple.....	19.04	11.13
			<i>For ASTM 120, Deduct</i>	-0.35	
			<i>For Work In Restricted Working Space, Add</i>	5.02	
			<i>For Schedule 80 Nipples, Add</i>	2.62	
22 11 16 00-0164	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	27.58	13.85
			<i>For ASTM 120, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
			<i>For Schedule 80 Nipples, Add</i>	7.80	
22 11 16 00-0165	EA		3" x Close, Schedule 40 Galvanized Steel Nipple.....	33.29	16.73
			<i>For ASTM 120, Deduct</i>	-1.23	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Schedule 80 Nipples, Add</i>	9.35	
22 11 16 00-0166	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	42.57	20.22
			<i>For ASTM 120, Deduct</i>	-1.84	
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Schedule 80 Nipples, Add</i>	14.01	
22 11 16 00-0167	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	12.00	7.39
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.00	
22 11 16 00-0168	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	11.77	7.39
			<i>For ASTM 120, Deduct</i>	-0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	0.74	
22 11 16 00-0169	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	11.94	7.39
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	0.93	
22 11 16 00-0170	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	12.00	7.39
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.00	
22 11 16 00-0171	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.77	7.39
			<i>For ASTM 120, Deduct</i>	-0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	0.74	
22 11 16 00-0172	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.94	7.39
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	0.93	
22 11 16 00-0173	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	13.19	8.02
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	3.59	
			<i>For Schedule 80 Nipples, Add</i>	1.39	
22 11 16 00-0174	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	14.46	8.64
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	1.70	
22 11 16 00-0175	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	14.72	8.64
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	2.00	
22 11 16 00-0176	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	12.30	7.39
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.35	
22 11 16 00-0177	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	11.89	7.39
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	0.88	
22 11 16 00-0178	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	12.03	7.39
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.04	
22 11 16 00-0179	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	13.29	8.02
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Work In Restricted Working Space, Add</i>	3.59	
			<i>For Schedule 80 Nipples, Add</i>	1.50	
22 11 16 00-0180	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	14.61	8.64
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	1.87	
22 11 16 00-0181	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	14.92	8.64
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	2.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0182 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.33	11.13
For ASTM 120, Deduct	-0.39	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	2.95	
22 11 16 00-0183 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	12.30	7.39
For ASTM 120, Deduct	-0.18	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.35	
22 11 16 00-0184 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	11.89	7.39
For ASTM 120, Deduct	-0.12	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	0.88	
22 11 16 00-0185 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	12.03	7.39
For ASTM 120, Deduct	-0.14	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.04	
22 11 16 00-0186 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	13.29	8.02
For ASTM 120, Deduct	-0.20	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	1.50	
22 11 16 00-0187 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.61	8.64
For ASTM 120, Deduct	-0.25	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	1.87	
22 11 16 00-0188 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.92	8.64
For ASTM 120, Deduct	-0.29	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	2.22	
22 11 16 00-0189 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	19.33	11.13
For ASTM 120, Deduct	-0.39	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	2.95	
22 11 16 00-0190 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	27.84	13.85
For ASTM 120, Deduct	-1.07	
For Work In Restricted Working Space, Add	6.22	
For Schedule 80 Nipples, Add	8.09	
22 11 16 00-0191 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	34.42	16.73
For ASTM 120, Deduct	-1.40	
For Work In Restricted Working Space, Add	7.53	
For Schedule 80 Nipples, Add	10.64	
22 11 16 00-0192 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.52	7.39
For ASTM 120, Deduct	-0.21	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.60	
22 11 16 00-0193 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.07	7.39
For ASTM 120, Deduct	-0.14	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.08	
22 11 16 00-0194 EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.30	7.39
For ASTM 120, Deduct	-0.18	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.35	
22 11 16 00-0195 EA 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.56	8.02
For ASTM 120, Deduct	-0.24	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	1.81	
22 11 16 00-0196 EA 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.92	8.64
For ASTM 120, Deduct	-0.29	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	2.22	
22 11 16 00-0197 EA 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.44	8.64
For ASTM 120, Deduct	-0.37	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	2.82	
22 11 16 00-0198 EA 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.88	11.13
For ASTM 120, Deduct	-0.47	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	3.58	
22 11 16 00-0199 EA 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.98	13.85
For ASTM 120, Deduct	-1.24	
For Work In Restricted Working Space, Add	6.22	
For Schedule 80 Nipples, Add	9.39	
22 11 16 00-0200 EA 3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.03	16.73
For ASTM 120, Deduct	-1.64	
For Work In Restricted Working Space, Add	7.53	
For Schedule 80 Nipples, Add	12.47	
22 11 16 00-0201 EA 3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.52	7.39
For ASTM 120, Deduct	-0.21	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.60	
22 11 16 00-0202 EA 1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.07	7.39
For ASTM 120, Deduct	-0.14	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0203	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.52	7.39
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.60	
22 11 16 00-0204	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	13.56	8.02
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.59	
			<i>For Schedule 80 Nipples, Add</i>	1.81	
22 11 16 00-0205	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	14.92	8.64
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	2.22	
22 11 16 00-0206	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	15.44	8.64
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	2.82	
22 11 16 00-0207	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	19.91	11.13
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	5.02	
			<i>For Schedule 80 Nipples, Add</i>	3.61	
22 11 16 00-0208	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	28.98	13.85
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
			<i>For Schedule 80 Nipples, Add</i>	9.39	
22 11 16 00-0209	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	36.03	16.73
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Schedule 80 Nipples, Add</i>	12.47	
22 11 16 00-0210	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	44.97	20.22
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Schedule 80 Nipples, Add</i>	16.75	
22 11 16 00-0211	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	13.04	7.39
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	2.19	
22 11 16 00-0212	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	12.26	7.39
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.30	
22 11 16 00-0213	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	12.52	7.39
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.60	
22 11 16 00-0214	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	13.92	8.02
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.59	
			<i>For Schedule 80 Nipples, Add</i>	2.22	
22 11 16 00-0215	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.38	8.64
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	2.75	
22 11 16 00-0216	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	15.95	8.64
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Schedule 80 Nipples, Add</i>	3.40	
22 11 16 00-0217	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.75	11.13
			<i>For ASTM 120, Deduct</i>	-0.60	
			<i>For Work In Restricted Working Space, Add</i>	5.02	
			<i>For Schedule 80 Nipples, Add</i>	4.57	
22 11 16 00-0218	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	29.93	13.85
			<i>For ASTM 120, Deduct</i>	-1.38	
			<i>For Work In Restricted Working Space, Add</i>	6.22	
			<i>For Schedule 80 Nipples, Add</i>	10.48	
22 11 16 00-0219	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	37.84	16.73
			<i>For ASTM 120, Deduct</i>	-1.91	
			<i>For Work In Restricted Working Space, Add</i>	7.53	
			<i>For Schedule 80 Nipples, Add</i>	14.54	
22 11 16 00-0220	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	46.75	20.22
			<i>For ASTM 120, Deduct</i>	-2.47	
			<i>For Work In Restricted Working Space, Add</i>	9.08	
			<i>For Schedule 80 Nipples, Add</i>	18.78	
22 11 16 00-0221	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	13.04	7.39
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	2.19	
22 11 16 00-0222	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	12.26	7.39
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.30	
22 11 16 00-0223	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	12.52	7.39
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
			<i>For Schedule 80 Nipples, Add</i>	1.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0224 EA 1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	13.92	8.02
For ASTM 120, Deduct	-0.29	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	2.22	
22 11 16 00-0225 EA 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.38	8.64
For ASTM 120, Deduct	-0.36	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	2.75	
22 11 16 00-0226 EA 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.95	8.64
For ASTM 120, Deduct	-0.45	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	3.40	
22 11 16 00-0227 EA 2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	20.75	11.13
For ASTM 120, Deduct	-0.60	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	4.57	
22 11 16 00-0228 EA 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	29.93	13.85
For ASTM 120, Deduct	-1.38	
For Work In Restricted Working Space, Add	6.22	
For Schedule 80 Nipples, Add	10.48	
22 11 16 00-0229 EA 3" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	37.84	16.73
For ASTM 120, Deduct	-1.91	
For Work In Restricted Working Space, Add	7.53	
For Schedule 80 Nipples, Add	14.54	
22 11 16 00-0230 EA 4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	46.75	20.22
For ASTM 120, Deduct	-2.47	
For Work In Restricted Working Space, Add	9.08	
For Schedule 80 Nipples, Add	18.78	
22 11 16 00-0231 EA 3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	13.26	7.39
For ASTM 120, Deduct	-0.32	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	2.44	
22 11 16 00-0232 EA 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	12.42	7.39
For ASTM 120, Deduct	-0.20	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.48	
22 11 16 00-0233 EA 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	12.80	7.39
For ASTM 120, Deduct	-0.25	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	1.92	
22 11 16 00-0234 EA 1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	14.18	8.02
For ASTM 120, Deduct	-0.33	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	2.52	
22 11 16 00-0235 EA 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.77	8.64
For ASTM 120, Deduct	-0.42	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	3.19	
22 11 16 00-0236 EA 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	16.32	8.64
For ASTM 120, Deduct	-0.50	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	3.82	
22 11 16 00-0237 EA 2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	21.40	11.13
For ASTM 120, Deduct	-0.70	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	5.31	
22 11 16 00-0238 EA 2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	30.84	13.85
For ASTM 120, Deduct	-1.52	
For Work In Restricted Working Space, Add	6.22	
For Schedule 80 Nipples, Add	11.51	
22 11 16 00-0239 EA 3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	38.58	16.73
For ASTM 120, Deduct	-2.02	
For Work In Restricted Working Space, Add	7.53	
For Schedule 80 Nipples, Add	15.38	
22 11 16 00-0240 EA 4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	48.49	20.22
For ASTM 120, Deduct	-2.73	
For Work In Restricted Working Space, Add	9.08	
For Schedule 80 Nipples, Add	20.76	
22 11 16 00-0241 EA 3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	19.66	7.39
For ASTM 120, Deduct	-1.28	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	9.74	
22 11 16 00-0242 EA 1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	13.40	7.39
For ASTM 120, Deduct	-0.34	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	2.60	
22 11 16 00-0243 EA 3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	14.04	7.39
For ASTM 120, Deduct	-0.44	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	3.33	
22 11 16 00-0244 EA 1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	15.67	8.02
For ASTM 120, Deduct	-0.56	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	4.22	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0245 EA 1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	17.51	8.64
For ASTM 120, Deduct	-0.68	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	5.18	
22 11 16 00-0246 EA 1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	18.17	8.64
For ASTM 120, Deduct	-0.78	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	5.93	
22 11 16 00-0247 EA 2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	24.33	11.13
For ASTM 120, Deduct	-1.14	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	8.65	
22 11 16 00-0248 EA 2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	33.74	13.85
For ASTM 120, Deduct	-1.95	
For Work In Restricted Working Space, Add	6.22	
For Schedule 80 Nipples, Add	14.82	
22 11 16 00-0249 EA 3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	43.26	16.73
For ASTM 120, Deduct	-2.73	
For Work In Restricted Working Space, Add	7.53	
For Schedule 80 Nipples, Add	20.71	
22 11 16 00-0250 EA 4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	52.01	20.22
For ASTM 120, Deduct	-3.26	
For Work In Restricted Working Space, Add	9.08	
For Schedule 80 Nipples, Add	24.77	
22 11 16 00-0251 EA 3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	15.20	7.39
For ASTM 120, Deduct	-0.61	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	4.65	
22 11 16 00-0252 EA 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	13.83	7.39
For ASTM 120, Deduct	-0.41	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	3.09	
22 11 16 00-0253 EA 3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	14.36	7.39
For ASTM 120, Deduct	-0.49	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	3.69	
22 11 16 00-0254 EA 1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	16.20	8.02
For ASTM 120, Deduct	-0.63	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	4.82	
22 11 16 00-0255 EA 1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	18.39	8.64
For ASTM 120, Deduct	-0.81	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	6.18	
22 11 16 00-0256 EA 1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	19.04	8.64
For ASTM 120, Deduct	-0.91	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	6.92	
22 11 16 00-0257 EA 2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	25.62	11.13
For ASTM 120, Deduct	-1.33	
For Work In Restricted Working Space, Add	5.02	
For Schedule 80 Nipples, Add	10.12	
22 11 16 00-0258 EA 2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	35.56	13.85
For ASTM 120, Deduct	-2.22	
For Work In Restricted Working Space, Add	6.22	
For Schedule 80 Nipples, Add	16.89	
22 11 16 00-0259 EA 3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	45.82	16.73
For ASTM 120, Deduct	-3.11	
For Work In Restricted Working Space, Add	7.53	
For Schedule 80 Nipples, Add	23.63	
22 11 16 00-0260 EA 4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	55.47	20.22
For ASTM 120, Deduct	-3.78	
For Work In Restricted Working Space, Add	9.08	
For Schedule 80 Nipples, Add	28.72	
22 11 16 00-0261 EA 3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	15.64	7.39
For ASTM 120, Deduct	-0.68	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	5.15	
22 11 16 00-0262 EA 1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	14.21	7.39
For ASTM 120, Deduct	-0.46	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	3.52	
22 11 16 00-0263 EA 3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	14.75	7.39
For ASTM 120, Deduct	-0.54	
For Work In Restricted Working Space, Add	3.34	
For Schedule 80 Nipples, Add	4.14	
22 11 16 00-0264 EA 1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	16.89	8.02
For ASTM 120, Deduct	-0.74	
For Work In Restricted Working Space, Add	3.59	
For Schedule 80 Nipples, Add	5.61	
22 11 16 00-0265 EA 1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	19.48	8.64
For ASTM 120, Deduct	-0.98	
For Work In Restricted Working Space, Add	3.89	
For Schedule 80 Nipples, Add	7.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0266	EA			1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.91 -1.04 3.89 7.91	8.64
22 11 16 00-0267	EA			2" x 12" Long, Schedule 40 Galvanized Steel Nipple..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	26.93 -1.53 5.02 11.62	11.13
22 11 16 00-0268	EA			2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	37.32 -2.49 6.22 18.90	13.85
22 11 16 00-0269	EA			3" x 12" Long, Schedule 40 Galvanized Steel Nipple..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	48.40 -3.50 7.53 26.57	16.73
22 11 16 00-0270	EA			4" x 12" Long, Schedule 40 Galvanized Steel Nipple..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	58.95 -4.30 9.08 32.68	20.22
22 11 16 00-0271 Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)						
22 11 16 00-0272	EA			1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	11.18 2.49 10.29	5.53
22 11 16 00-0273	EA			3/4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	12.17 2.79 10.35	6.22
22 11 16 00-0274	EA			1", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	13.53 3.11 11.37	6.93
22 11 16 00-0275	EA			1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	16.60 3.52 17.23	7.85
22 11 16 00-0276	EA			1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	19.79 3.97 23.06	8.79
22 11 16 00-0277	EA			2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	25.15 5.05 29.33	11.21
22 11 16 00-0278	EA			2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	41.14 7.47 56.74	16.58
22 11 16 00-0279	EA			3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	55.82 9.83 80.34	21.86
22 11 16 00-0280	EA			4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	83.19 10.60 164.84	23.54
22 11 16 00-0281	EA			5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	124.68 11.06 300.77	24.61
22 11 16 00-0282	EA			6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	133.48 11.57 325.08	25.67
22 11 16 00-0283 Galvanized Malleable Iron Bushing (22 11 16 00-0013)						
22 11 16 00-0284	EA			3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	25.89 6.59	14.63
22 11 16 00-0285	EA			1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	28.02 7.00	15.56
22 11 16 00-0286	EA			1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	29.01 7.37	16.41
22 11 16 00-0287	EA			1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	31.60 7.52	16.73
22 11 16 00-0288	EA			1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	32.25 7.89	17.50
22 11 16 00-0289	EA			1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.60 8.29	18.44
22 11 16 00-0290	EA			1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	35.59 8.08	17.97
22 11 16 00-0291	EA			1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	36.83 8.45	18.75
22 11 16 00-0292	EA			1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.32 8.85	19.69
22 11 16 00-0293	EA			1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	38.43 9.37	20.85
22 11 16 00-0294	EA			2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.21 9.42	20.93
22 11 16 00-0295	EA			2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.70 9.79	21.78
22 11 16 00-0296	EA			2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.51 10.20	22.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0297	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	45.22	23.81
			<i>For Work In Restricted Working Space, Add</i>	10.71	
22 11 16 00-0298	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	45.92	25.05
			<i>For Work In Restricted Working Space, Add</i>	11.27	
22 11 16 00-0299	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	58.39	28.48
			<i>For Work In Restricted Working Space, Add</i>	12.82	
22 11 16 00-0300	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	59.74	29.40
			<i>For Work In Restricted Working Space, Add</i>	13.23	
22 11 16 00-0301	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	61.45	30.50
			<i>For Work In Restricted Working Space, Add</i>	13.74	
22 11 16 00-0302	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	63.04	31.82
			<i>For Work In Restricted Working Space, Add</i>	14.30	
22 11 16 00-0303	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	65.76	34.78
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0304	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	73.23	35.01
			<i>For Work In Restricted Working Space, Add</i>	15.77	
22 11 16 00-0305	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	74.57	35.95
			<i>For Work In Restricted Working Space, Add</i>	16.17	
22 11 16 00-0306	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	76.29	37.11
			<i>For Work In Restricted Working Space, Add</i>	16.69	
22 11 16 00-0307	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	77.75	38.36
			<i>For Work In Restricted Working Space, Add</i>	17.25	
22 11 16 00-0308	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	80.34	41.32
			<i>For Work In Restricted Working Space, Add</i>	18.59	
22 11 16 00-0309	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	91.50	48.08
			<i>For Work In Restricted Working Space, Add</i>	21.62	
22 11 16 00-0310	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	98.76	36.94
			<i>For Work In Restricted Working Space, Add</i>	16.64	
22 11 16 00-0311	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	100.07	37.85
			<i>For Work In Restricted Working Space, Add</i>	17.03	
22 11 16 00-0312	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	101.74	38.99
			<i>For Work In Restricted Working Space, Add</i>	17.54	
22 11 16 00-0313	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	103.56	40.20
			<i>For Work In Restricted Working Space, Add</i>	18.08	
22 11 16 00-0314	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	102.82	43.08
			<i>For Work In Restricted Working Space, Add</i>	19.39	
22 11 16 00-0315	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	117.73	49.66
			<i>For Work In Restricted Working Space, Add</i>	22.33	
22 11 16 00-0316	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing.....	124.45	56.02
			<i>For Work In Restricted Working Space, Add</i>	25.21	
22 11 16 00-0317			Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
22 11 16 00-0318	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	48.59	28.43
22 11 16 00-0319	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	53.10	31.12
22 11 16 00-0320	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	61.09	35.16
22 11 16 00-0321	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	63.51	36.41
22 11 16 00-0322	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	69.12	39.61
22 11 16 00-0323	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	74.67	41.32
22 11 16 00-0324			Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0325	EA		3/4", 125 LB, Galvanized Cast Iron Flange.....	96.76	31.12
			<i>For Work In Restricted Working Space, Add</i>	14.00	
22 11 16 00-0326	EA		1", 125 LB, Galvanized Cast Iron Flange.....	91.52	35.16
			<i>For Work In Restricted Working Space, Add</i>	15.82	
22 11 16 00-0327	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange.....	75.09	36.41
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0328	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange.....	104.93	39.61
			<i>For Work In Restricted Working Space, Add</i>	17.82	
22 11 16 00-0329	EA		2", 125 LB, Galvanized Cast Iron Flange.....	102.03	41.32
			<i>For Work In Restricted Working Space, Add</i>	18.59	
22 11 16 00-0330	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange.....	118.55	47.85
			<i>For Work In Restricted Working Space, Add</i>	21.51	
22 11 16 00-0331	EA		3", 125 LB, Galvanized Cast Iron Flange.....	217.50	60.68
			<i>For Work In Restricted Working Space, Add</i>	27.29	
22 11 16 00-0332	EA		4", 125 LB, Galvanized Cast Iron Flange.....	198.65	80.78
			<i>For Work In Restricted Working Space, Add</i>	36.33	
22 11 16 00-0333	EA		5", 125 LB, Galvanized Cast Iron Flange.....	265.91	96.15
			<i>For Work In Restricted Working Space, Add</i>	43.25	
22 11 16 00-0334	EA		6", 125 LB, Galvanized Cast Iron Flange.....	295.73	110.46
			<i>For Work In Restricted Working Space, Add</i>	49.68	
22 11 16 00-0335			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
			Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0336	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	25.35	
			<i>For Work In Restricted Working Space, Add</i>	7.61	
22 11 16 00-0337	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	27.89	
			<i>For Work In Restricted Working Space, Add</i>	8.37	
22 11 16 00-0338	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	30.43	
			<i>For Work In Restricted Working Space, Add</i>	9.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0339	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	32.96 9.89	
22 11 16 00-0340	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.65 10.40	
22 11 16 00-0341	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.35 10.91	
22 11 16 00-0342	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.04 11.41	
22 11 16 00-0343	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.73 11.92	
22 11 16 00-0344	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	41.41 12.42	
22 11 16 00-0345			Copper Pipe And Fittings <small>(22 11 16)</small> Note: Excludes hangers. See CSI section 22 11 16 00-0870 for pipe with fittings assembly.		
22 11 16 00-0346			Copper Tube/Pipe <small>(22 11 16 00-0345)</small> Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0347			Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0346)</small>		
22 11 16 00-0348	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	3.68 0.86 0.07	1.90
22 11 16 00-0349	LF		3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	4.23 0.89 0.10	1.97
22 11 16 00-0350	LF		1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	4.65 0.93 0.12	2.06
22 11 16 00-0351	LF		3/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	5.66 0.98 0.19	2.18
22 11 16 00-0352	LF		1" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	7.11 1.11 0.27	2.46
22 11 16 00-0353	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	10.28 1.65 0.38	3.66
22 11 16 00-0354	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	12.87 1.84 0.54	4.09
22 11 16 00-0355	LF		2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	21.62 2.27 1.13	5.03
22 11 16 00-0356	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	38.32 5.66 1.56	6.29
22 11 16 00-0357	LF		3" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	45.09 6.28 1.93	6.98
22 11 16 00-0358	LF		4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	62.31 7.08 3.10	7.87
22 11 16 00-0359	LF		5" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	134.32 8.14 8.58	9.04
22 11 16 00-0360	LF		6" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	164.00 12.60 9.76	14.01
22 11 16 00-0361	LF		8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	267.27 14.01 17.65	15.58
22 11 16 00-0362			Hard Drawn Type K Copper Tube/Pipe <small>(22 11 16 00-0346)</small>		
22 11 16 00-0363	LF		1/4" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	4.02 0.92 0.08	2.04
22 11 16 00-0364	LF		3/8" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	5.21 1.05 0.14	2.34
22 11 16 00-0365	LF		1/2" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	5.28 1.02 0.15	2.27
22 11 16 00-0366	LF		3/4" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	7.32 1.19 0.27	2.64
22 11 16 00-0367	LF		1" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	8.59 1.26 0.35	2.81
22 11 16 00-0368	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	11.61 1.79 0.45	3.98

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0369 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	14.76 2.01 0.64	4.48
22 11 16 00-0370 LF 2" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	24.77 2.46 1.32	5.48
22 11 16 00-0371 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	43.56 6.17 1.84	13.73
22 11 16 00-0372 LF 3" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	52.06 6.91 2.32	15.36
22 11 16 00-0373 LF 4" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	72.93 7.82 3.75	17.40
22 11 16 00-0374 LF 5" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	167.01 9.23 10.90	20.53
22 11 16 00-0375 LF 6" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	215.88 14.89 13.30	33.11
22 11 16 00-0376 LF 8" Hard Drawn Type K Copper Tube/Pipe <i>For Work In Restricted Working Space, Add For Medical/Oxygen Service Tubing, Add</i>	350.70 16.41 23.68	36.48
22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0378 LF 1/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	3.19 0.74	1.64
22 11 16 00-0379 LF 3/8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	3.29 0.71	1.58
22 11 16 00-0380 LF 1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	3.56 0.74	1.63
22 11 16 00-0381 LF 3/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	4.32 0.78	1.73
22 11 16 00-0382 LF 1" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	5.33 0.87	1.93
22 11 16 00-0383 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	8.17 1.34	2.98
22 11 16 00-0384 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	10.71 1.54	3.42
22 11 16 00-0385 LF 2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	18.11 1.91	4.25
22 11 16 00-0386 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	33.08 5.15	11.44
22 11 16 00-0387 LF 3" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	38.33 5.66	12.59
22 11 16 00-0388 LF 4" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	55.55 6.61	14.69
22 11 16 00-0389 LF 5" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	119.25 7.63	16.96
22 11 16 00-0390 LF 6" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	146.05 11.81	26.26
22 11 16 00-0391 LF 8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	231.90 13.00	28.89
22 11 16 00-0392 Soft Drawn Type L Copper Tube (22 11 16 00-0346)		
22 11 16 00-0393 LF 1/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	3.75 0.86	0.21
22 11 16 00-0394 LF 3/8" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.37 0.89	1.97
22 11 16 00-0395 LF 1/2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.92 0.93	2.06
22 11 16 00-0396 LF 5/8" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.62 0.96	2.13
22 11 16 00-0397 LF 3/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.07 0.98	2.18
22 11 16 00-0398 LF 1" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	7.69 1.11	2.46
22 11 16 00-0399 LF 1-1/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	11.55 1.65	3.66
22 11 16 00-0400 LF 1-1/2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	13.89 1.84	4.09
22 11 16 00-0401 LF 2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	20.26 2.27	5.03
22 11 16 00-0402 Soft Drawn Type K Copper Tube (22 11 16 00-0346)		
22 11 16 00-0403 LF 1/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	3.92 0.86	0.21
22 11 16 00-0404 LF 3/8" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.90 0.89	1.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0405	LF		1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	5.26 0.93	2.06
	22 11 16 00-0406	LF		5/8" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	5.96 0.96	2.13
	22 11 16 00-0407	LF		3/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	7.10 0.98	2.18
	22 11 16 00-0408	LF		1" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	8.78 1.11	2.46
	22 11 16 00-0409	LF		1-1/4" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	12.36 1.65	3.66
	22 11 16 00-0410	LF		1-1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	15.14 1.84	4.09
	22 11 16 00-0411	LF		2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	21.92 2.27	5.03
	22 11 16 00-0412	LF		2-1/2" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	26.31 2.72	6.04
	22 11 16 00-0413	LF		3" Soft Drawn Type K Copper Tube..... <i>For Work In Restricted Working Space, Add</i>	34.81 3.21	7.13
	22 11 16 00-0414			Copper And Brass Fittings (22 11 16 00-0345) Note: All fittings are based on 95/5 solder.		
	22 11 16 00-0415			90 Degree Copper Elbows (22 11 16 00-0414)		
	22 11 16 00-0416	EA		1/4" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.00 -1.75 2.54 0.44 5.07 2.59	11.27
	22 11 16 00-0417	EA		3/8" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.45 -2.09 3.04 0.47 6.08 3.10	13.53
	22 11 16 00-0418	EA		1/2" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.27 -2.81 4.18 0.15 8.37 4.20	18.59
	22 11 16 00-0419	EA		3/4" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.50 -3.51 5.20 0.34 10.40 5.24	23.16
	22 11 16 00-0420	EA		1" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	43.50 -4.25 6.21 0.83 12.43 6.32	27.64
	22 11 16 00-0421	EA		1-1/4" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.90 -4.63 6.72 1.24 13.44 6.87	29.92
	22 11 16 00-0422	EA		1-1/2" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	53.88 -5.15 7.35 1.94 14.71 7.60	32.71
	22 11 16 00-0423	EA		2" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.80 -5.94 8.24 3.54 16.48 8.68	36.68
	22 11 16 00-0424	EA		2-1/2" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	73.40 -6.47 8.40 16.81 9.27	37.35
	22 11 16 00-0425	EA		3" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	91.42 -7.92 10.04 20.07 11.26	44.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0426 EA 4" 90 Degree Copper Elbow.....	154.38	63.33
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.24	
For Work In Restricted Working Space, Add	28.48	
For Silver Solder Instead Of 95/5 Solder, Add	17.21	
22 11 16 00-0427 EA 5" 90 Degree Copper Elbow.....	379.03	86.67
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.49	
For Work In Restricted Working Space, Add	38.98	
For Silver Solder Instead Of 95/5 Solder, Add	31.94	
22 11 16 00-0428 EA 6" 90 Degree Copper Elbow.....	521.13	126.12
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	28.36	
For Work In Restricted Working Space, Add	56.72	
For Silver Solder Instead Of 95/5 Solder, Add	44.96	
22 11 16 00-0429 EA 8" 90 Degree Copper Elbow.....	1,480.58	168.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-86.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	37.81	
For Work In Restricted Working Space, Add	75.62	
For Silver Solder Instead Of 95/5 Solder, Add	99.24	
22 11 16 00-0430 90 Degree Brass Elbows (22 11 16 00-0414)		
22 11 16 00-0431 EA 1/2" Drop Ear 90 Degree Brass Elbow.....	30.26	18.59
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.18	
For Work In Restricted Working Space, Add	8.37	
For Silver Solder Instead Of 95/5 Solder, Add	4.30	
22 11 16 00-0432 EA 3/4" Drop Ear 90 Degree Brass Elbow.....	41.57	23.16
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.81	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.20	
For Work In Restricted Working Space, Add	10.40	
For Silver Solder Instead Of 95/5 Solder, Add	5.54	
22 11 16 00-0433 EA 1/2" Flanged Sink 90 Degree Brass Elbow.....	32.22	18.59
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.18	
For Work In Restricted Working Space, Add	8.37	
For Silver Solder Instead Of 95/5 Solder, Add	4.40	
22 11 16 00-0434 EA 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	23.83	13.53
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
For Work In Restricted Working Space, Add	6.08	
For Silver Solder Instead Of 95/5 Solder, Add	3.22	
22 11 16 00-0435 EA 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	30.43	18.59
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.18	
For Work In Restricted Working Space, Add	8.37	
For Silver Solder Instead Of 95/5 Solder, Add	4.31	
22 11 16 00-0436 EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	39.12	23.16
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.20	
For Work In Restricted Working Space, Add	10.40	
For Silver Solder Instead Of 95/5 Solder, Add	5.42	
22 11 16 00-0437 EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	55.70	27.64
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.21	
For Work In Restricted Working Space, Add	12.43	
For Silver Solder Instead Of 95/5 Solder, Add	6.93	
22 11 16 00-0438 Reducing 90 Degree Copper Elbows (22 11 16 00-0414)		
22 11 16 00-0439 EA 1/2" Reducing 90 Degree Copper Elbow.....	30.96	18.59
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.18	
For Work In Restricted Working Space, Add	8.37	
For Silver Solder Instead Of 95/5 Solder, Add	4.34	
22 11 16 00-0440 EA 3/4" Reducing 90 Degree Copper Elbow.....	36.82	23.16
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.20	
For Work In Restricted Working Space, Add	10.40	
For Silver Solder Instead Of 95/5 Solder, Add	5.31	
22 11 16 00-0441 EA 1" Reducing 90 Degree Copper Elbow.....	45.41	27.64
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.21	
For Work In Restricted Working Space, Add	12.43	
For Silver Solder Instead Of 95/5 Solder, Add	6.41	
22 11 16 00-0442 EA 1-1/4" Reducing 90 Degree Copper Elbow.....	54.95	29.92
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.72	
For Work In Restricted Working Space, Add	13.44	
For Silver Solder Instead Of 95/5 Solder, Add	7.23	
22 11 16 00-0443 EA 1-1/2" Reducing 90 Degree Copper Elbow.....	62.38	32.71
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.35	
For Work In Restricted Working Space, Add	14.71	
For Silver Solder Instead Of 95/5 Solder, Add	8.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0444 EA 2" Reducing 90 Degree Copper Elbow	72.92	36.68
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.24	
For Work In Restricted Working Space, Add	16.48	
For Silver Solder Instead Of 95/5 Solder, Add	9.14	
22 11 16 00-0445 45 Degree Copper Elbows (22 11 16 00-0414)		
22 11 16 00-0446 EA 1/4" 45 Degree Copper Elbow	18.96	11.27
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.54	
For Street Fitting, Add	0.82	
For Work In Restricted Working Space, Add	5.07	
For Silver Solder Instead Of 95/5 Solder, Add	2.64	
22 11 16 00-0447 EA 3/8" 45 Degree Copper Elbow	22.04	13.53
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
For Street Fitting, Add	0.70	
For Work In Restricted Working Space, Add	6.08	
For Silver Solder Instead Of 95/5 Solder, Add	3.13	
22 11 16 00-0448 EA 1/2" 45 Degree Copper Elbow	28.58	18.59
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.82	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.18	
For Street Fitting, Add	0.28	
For Work In Restricted Working Space, Add	8.37	
For Silver Solder Instead Of 95/5 Solder, Add	4.22	
22 11 16 00-0449 EA 3/4" 45 Degree Copper Elbow	35.84	23.16
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.20	
For Street Fitting, Add	0.48	
For Work In Restricted Working Space, Add	10.40	
For Silver Solder Instead Of 95/5 Solder, Add	5.26	
22 11 16 00-0450 EA 1" 45 Degree Copper Elbow	44.38	27.64
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.21	
For Street Fitting, Add	1.18	
For Work In Restricted Working Space, Add	12.43	
For Silver Solder Instead Of 95/5 Solder, Add	6.36	
22 11 16 00-0451 EA 1-1/4" 45 Degree Copper Elbow	48.80	29.92
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.72	
For Street Fitting, Add	1.60	
For Work In Restricted Working Space, Add	13.44	
For Silver Solder Instead Of 95/5 Solder, Add	6.92	
22 11 16 00-0452 EA 1-1/2" 45 Degree Copper Elbow	53.94	32.71
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.35	
For Street Fitting, Add	1.97	
For Work In Restricted Working Space, Add	14.71	
For Silver Solder Instead Of 95/5 Solder, Add	7.60	
22 11 16 00-0453 EA 2" 45 Degree Copper Elbow	63.15	36.68
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.24	
For Work In Restricted Working Space, Add	16.48	
For Silver Solder Instead Of 95/5 Solder, Add	8.65	
22 11 16 00-0454 EA 2-1/2" 45 Degree Copper Elbow	73.19	37.35
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.46	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.40	
For Work In Restricted Working Space, Add	16.81	
For Silver Solder Instead Of 95/5 Solder, Add	9.26	
22 11 16 00-0455 EA 3" 45 Degree Copper Elbow	92.38	44.66
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.96	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.04	
For Work In Restricted Working Space, Add	20.07	
For Silver Solder Instead Of 95/5 Solder, Add	11.31	
22 11 16 00-0456 EA 4" 45 Degree Copper Elbow	149.24	63.33
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.24	
For Work In Restricted Working Space, Add	28.48	
For Silver Solder Instead Of 95/5 Solder, Add	16.95	
22 11 16 00-0457 EA 5" 45 Degree Copper Elbow	340.29	86.67
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.49	
For Work In Restricted Working Space, Add	38.98	
For Silver Solder Instead Of 95/5 Solder, Add	30.01	
22 11 16 00-0458 EA 6" 45 Degree Copper Elbow	520.57	126.12
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	28.36	
For Work In Restricted Working Space, Add	56.72	
For Silver Solder Instead Of 95/5 Solder, Add	44.93	
22 11 16 00-0459 EA 8" 45 Degree Copper Elbow	1,378.52	168.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-81.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	37.81	
For Work In Restricted Working Space, Add	75.62	
For Silver Solder Instead Of 95/5 Solder, Add	94.13	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0460 Straight Copper And Brass Tees (22 11 16 00-0414)		
22 11 16 00-0461 EA 1/4" Straight Copper Tee.....	27.66	16.90
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.80	
For Work In Restricted Working Space, Add	7.61	
For Silver Solder Instead Of 95/5 Solder, Add	3.92	
22 11 16 00-0462 EA 3/8" Straight Copper Tee.....	32.29	20.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.56	
For Work In Restricted Working Space, Add	9.13	
For Silver Solder Instead Of 95/5 Solder, Add	4.66	
22 11 16 00-0463 EA 1/2" Straight Copper Tee.....	42.91	28.23
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.34	
For Work In Restricted Working Space, Add	12.68	
For Silver Solder Instead Of 95/5 Solder, Add	6.37	
22 11 16 00-0464 EA 3/4" Straight Copper Tee.....	53.95	34.99
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.86	
For Work In Restricted Working Space, Add	15.72	
For Silver Solder Instead Of 95/5 Solder, Add	7.94	
22 11 16 00-0465 EA 1" Straight Copper Tee.....	67.22	41.75
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.38	
For Work In Restricted Working Space, Add	18.77	
For Silver Solder Instead Of 95/5 Solder, Add	9.62	
22 11 16 00-0466 EA 1-1/4" Straight Copper Tee.....	74.13	45.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.09	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.14	
For Work In Restricted Working Space, Add	20.29	
For Silver Solder Instead Of 95/5 Solder, Add	10.47	
22 11 16 00-0467 EA 1-1/2" Straight Copper Tee.....	83.39	49.02
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.03	
For Work In Restricted Working Space, Add	22.06	
For Silver Solder Instead Of 95/5 Solder, Add	11.52	
22 11 16 00-0468 EA 2" Straight Copper Tee.....	98.49	55.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.42	
For Work In Restricted Working Space, Add	24.85	
For Silver Solder Instead Of 95/5 Solder, Add	13.21	
22 11 16 00-0469 EA 2-1/2" Straight Copper Tee.....	115.00	56.02
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.60	
For Work In Restricted Working Space, Add	25.21	
For Silver Solder Instead Of 95/5 Solder, Add	14.15	
22 11 16 00-0470 EA 3" Straight Copper Tee.....	148.46	67.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.17	
For Work In Restricted Working Space, Add	30.34	
For Silver Solder Instead Of 95/5 Solder, Add	17.54	
22 11 16 00-0471 EA 4" Straight Copper Tee.....	256.13	94.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.89	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.24	
For Work In Restricted Working Space, Add	42.48	
For Silver Solder Instead Of 95/5 Solder, Add	26.97	
22 11 16 00-0472 EA 5" Straight Copper Tee.....	568.14	129.23
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.09	
For Brazed Fittings Instead Of 95/5 Solder, Add	29.06	
For Work In Restricted Working Space, Add	58.12	
For Silver Solder Instead Of 95/5 Solder, Add	47.78	
22 11 16 00-0473 EA 6" Straight Copper Tee.....	795.79	189.45
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-53.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	42.60	
For Work In Restricted Working Space, Add	85.19	
For Silver Solder Instead Of 95/5 Solder, Add	68.19	
22 11 16 00-0474 EA 8" Straight Copper Tee.....	2,352.41	252.23
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-136.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	56.72	
For Work In Restricted Working Space, Add	113.44	
For Silver Solder Instead Of 95/5 Solder, Add	155.43	
22 11 16 00-0475 EA 1/2" Cast Bronze Drop Ear Tee.....	46.26	28.23
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.34	
For Work In Restricted Working Space, Add	12.68	
For Silver Solder Instead Of 95/5 Solder, Add	6.54	
22 11 16 00-0476 Reducing Copper Tees (22 11 16 00-0414)		
22 11 16 00-0477 EA 3/8" Reducing Copper Tee.....	30.73	18.01
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.89	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.06	
For Work In Restricted Working Space, Add	8.12	
For Silver Solder Instead Of 95/5 Solder, Add	4.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0478	EA		1/2" Reducing Copper Tee.....	41.27	25.35
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.71	
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.87	
22 11 16 00-0479	EA		3/4" Reducing Copper Tee.....	50.67	32.71
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.35	
			<i>For Work In Restricted Working Space, Add</i>	14.71	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.44	
22 11 16 00-0480	EA		1" Reducing Copper Tee.....	64.40	39.47
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.18	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.87	
			<i>For Work In Restricted Working Space, Add</i>	17.75	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.14	
22 11 16 00-0481	EA		1-1/4" Reducing Copper Tee.....	72.19	42.85
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	19.27	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.03	
22 11 16 00-0482	EA		1-1/2" Reducing Copper Tee.....	81.40	46.82
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.52	
			<i>For Work In Restricted Working Space, Add</i>	21.05	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.09	
22 11 16 00-0483	EA		2" Reducing Copper Tee.....	94.84	52.40
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.79	
			<i>For Work In Restricted Working Space, Add</i>	23.58	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.60	
22 11 16 00-0484	EA		2-1/2" Reducing Copper Tee.....	114.84	54.00
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.14	
			<i>For Work In Restricted Working Space, Add</i>	24.27	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.83	
22 11 16 00-0485	EA		3" Reducing Copper Tee.....	149.08	62.24
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.00	
			<i>For Work In Restricted Working Space, Add</i>	28.01	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.79	
22 11 16 00-0486	EA		4" Reducing Copper Tee.....	232.46	76.79
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.27	
			<i>For Work In Restricted Working Space, Add</i>	34.55	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.14	
22 11 16 00-0487			Copper Couplings (22 11 16 00-0414)		
22 11 16 00-0488	EA		1/4" Copper Coupling.....	17.12	11.27
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.55	
22 11 16 00-0489	EA		3/8" Copper Coupling.....	20.57	13.53
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	6.08	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.06	
22 11 16 00-0490	EA		1/2" Copper Coupling.....	28.13	18.59
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.18	
			<i>For Work In Restricted Working Space, Add</i>	8.37	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.20	
22 11 16 00-0491	EA		3/4" Copper Coupling.....	35.14	23.16
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.49	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.22	
22 11 16 00-0492	EA		1" Copper Coupling.....	42.40	27.64
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.21	
			<i>For Work In Restricted Working Space, Add</i>	12.43	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.26	
22 11 16 00-0493	EA		1-1/4" Copper Coupling.....	46.51	29.92
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.72	
			<i>For Work In Restricted Working Space, Add</i>	13.44	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.80	
22 11 16 00-0494	EA		1-1/2" Copper Coupling.....	51.30	32.71
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.35	
			<i>For Work In Restricted Working Space, Add</i>	14.71	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.47	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0495 EA 2" Copper Coupling.....	58.73	36.35
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.24	
For Work In Restricted Working Space, Add	16.48	
For Silver Solder Instead Of 95/5 Solder, Add	8.43	
22 11 16 00-0496 EA 2-1/2" Copper Coupling.....	60.70	35.33
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.94	
For Work In Restricted Working Space, Add	15.87	
For Silver Solder Instead Of 95/5 Solder, Add	8.33	
22 11 16 00-0497 EA 3" Copper Coupling.....	74.39	42.79
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.57	
For Work In Restricted Working Space, Add	19.14	
For Silver Solder Instead Of 95/5 Solder, Add	10.10	
22 11 16 00-0498 EA 4" Copper Coupling.....	108.94	57.57
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.84	
For Work In Restricted Working Space, Add	25.67	
For Silver Solder Instead Of 95/5 Solder, Add	14.01	
22 11 16 00-0499 EA 5" Copper Coupling.....	165.39	105.03
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.51	
For Work In Restricted Working Space, Add	35.01	
For Silver Solder Instead Of 95/5 Solder, Add	19.94	
22 11 16 00-0500 EA 6" Copper Coupling.....	251.63	114.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.68	
For Work In Restricted Working Space, Add	51.35	
For Silver Solder Instead Of 95/5 Solder, Add	29.70	
22 11 16 00-0501 EA 8" Copper Coupling.....	488.00	151.32
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	34.08	
For Work In Restricted Working Space, Add	68.15	
For Silver Solder Instead Of 95/5 Solder, Add	47.12	
22 11 16 00-0502 Reducing Copper Couplings (22 11 16 00-0414)		
22 11 16 00-0503 EA 3/8" Reducing Copper Coupling.....	17.38	11.24
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.54	
For Work In Restricted Working Space, Add	5.07	
For Silver Solder Instead Of 95/5 Solder, Add	2.56	
22 11 16 00-0504 EA 1/2" Reducing Copper Coupling.....	24.59	16.05
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.61	
For Work In Restricted Working Space, Add	7.23	
For Silver Solder Instead Of 95/5 Solder, Add	3.64	
22 11 16 00-0505 EA 3/4" Reducing Copper Coupling.....	32.14	20.88
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.69	
For Work In Restricted Working Space, Add	9.38	
For Silver Solder Instead Of 95/5 Solder, Add	4.73	
22 11 16 00-0506 EA 1" Reducing Copper Coupling.....	39.62	25.35
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.71	
For Work In Restricted Working Space, Add	11.41	
For Silver Solder Instead Of 95/5 Solder, Add	5.79	
22 11 16 00-0507 EA 1-1/4" Reducing Copper Coupling.....	45.30	28.74
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.47	
For Work In Restricted Working Space, Add	12.93	
For Silver Solder Instead Of 95/5 Solder, Add	6.58	
22 11 16 00-0508 EA 1-1/2" Reducing Copper Coupling.....	50.53	31.27
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.87	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.04	
For Work In Restricted Working Space, Add	14.07	
For Silver Solder Instead Of 95/5 Solder, Add	7.22	
22 11 16 00-0509 EA 2" Reducing Copper Coupling.....	57.60	34.65
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.80	
For Work In Restricted Working Space, Add	15.59	
For Silver Solder Instead Of 95/5 Solder, Add	8.08	
22 11 16 00-0510 EA 2-1/2" Reducing Copper Coupling.....	64.85	35.56
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.99	
For Work In Restricted Working Space, Add	15.99	
For Silver Solder Instead Of 95/5 Solder, Add	8.57	
22 11 16 00-0511 EA 3" Reducing Copper Coupling.....	75.76	41.24
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.22	
For Work In Restricted Working Space, Add	18.44	
For Silver Solder Instead Of 95/5 Solder, Add	9.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0512	EA		4" Reducing Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	109.28 -9.51 12.14 24.27 13.56	54.00
22 11 16 00-0513	EA		5" Reducing Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	223.75 -16.83 16.92 33.84 22.47	75.23
22 11 16 00-0514	EA		6" Reducing Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	323.51 -23.76 22.76 45.51 31.35	101.14
22 11 16 00-0515	EA		8" Reducing Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	585.15 -40.31 33.14 66.29 51.35	147.38
22 11 16 00-0516 Male Copper Adapters (22 11 16 00-0414)					
22 11 16 00-0517	EA		1/4" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	20.80 -1.89 2.54 5.07 2.73	10.99
22 11 16 00-0518	EA		3/8" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.22 -2.13 3.04 6.08 3.14	13.53
22 11 16 00-0519	EA		1/2" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.14 -2.57 3.80 7.61 3.84	16.90
22 11 16 00-0520	EA		3/4" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	32.60 -3.19 4.69 9.38 4.76	21.13
22 11 16 00-0521	EA		1" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.74 -3.80 5.45 10.91 5.62	24.51
22 11 16 00-0522	EA		1-1/4" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.20 -4.47 6.34 12.68 6.59	27.89
22 11 16 00-0523	EA		1-1/2" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	53.95 -5.11 7.23 14.45 7.51	32.12
22 11 16 00-0524	EA		2" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	71.48 -6.66 9.26 18.51 9.74	41.00
22 11 16 00-0525	EA		2-1/2" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	110.54 -9.50 11.92 23.84 13.47	53.25
22 11 16 00-0526	EA		3" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	146.97 -12.64 15.87 31.74 17.93	70.99
22 11 16 00-0527	EA		4" Male Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	215.20 -18.23 22.41 44.81 25.70	99.59
22 11 16 00-0528 Female Copper Adapters (22 11 16 00-0414)					
22 11 16 00-0529	EA		1/4" Female Copper Adapter..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.39 -1.81 2.54 5.07 2.66	10.99

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0530	EA	3/8"	Female Copper Adapter.....	22.88	13.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.16	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
			For Work In Restricted Working Space, Add	6.08	
			For Silver Solder Instead Of 95/5 Solder, Add	3.17	
22 11 16 00-0531	EA	1/2"	Female Copper Adapter.....	26.61	16.90
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.60	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.80	
			For Work In Restricted Working Space, Add	7.61	
			For Silver Solder Instead Of 95/5 Solder, Add	3.87	
22 11 16 00-0532	EA	3/4"	Female Copper Adapter.....	32.99	21.13
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.21	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.69	
			For Work In Restricted Working Space, Add	9.38	
			For Silver Solder Instead Of 95/5 Solder, Add	4.78	
22 11 16 00-0533	EA	1"	Female Copper Adapter.....	40.29	24.51
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.45	
			For Work In Restricted Working Space, Add	10.91	
			For Silver Solder Instead Of 95/5 Solder, Add	5.65	
22 11 16 00-0534	EA	1-1/4"	Female Copper Adapter.....	48.04	27.89
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.34	
			For Work In Restricted Working Space, Add	12.68	
			For Silver Solder Instead Of 95/5 Solder, Add	6.63	
22 11 16 00-0535	EA	1-1/2"	Female Copper Adapter.....	57.21	32.12
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.23	
			For Work In Restricted Working Space, Add	14.45	
			For Silver Solder Instead Of 95/5 Solder, Add	7.68	
22 11 16 00-0536	EA	2"	Female Copper Adapter.....	73.96	41.00
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.26	
			For Work In Restricted Working Space, Add	18.51	
			For Silver Solder Instead Of 95/5 Solder, Add	9.87	
22 11 16 00-0537	EA	2-1/2"	Female Copper Adapter.....	117.01	49.02
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.51	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.97	
			For Work In Restricted Working Space, Add	21.94	
			For Silver Solder Instead Of 95/5 Solder, Add	13.16	
22 11 16 00-0538	EA	3"	Female Copper Adapter.....	179.71	70.99
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.87	
			For Work In Restricted Working Space, Add	31.74	
			For Silver Solder Instead Of 95/5 Solder, Add	19.57	
22 11 16 00-0539			Wrot Copper, Solder Union (22 11 16 00-0414)		
22 11 16 00-0540	EA	1/4"	Wrot Copper, Solder Union.....	25.80	13.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.30	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.04	
			For Work In Restricted Working Space, Add	6.08	
			For Silver Solder Instead Of 95/5 Solder, Add	3.32	
22 11 16 00-0541	EA	3/8"	Wrot Copper, Solder Union.....	30.20	16.32
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.74	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.68	
			For Work In Restricted Working Space, Add	7.35	
			For Silver Solder Instead Of 95/5 Solder, Add	3.96	
22 11 16 00-0542	EA	1/2"	Wrot Copper, Solder Union.....	33.95	20.28
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.22	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.56	
			For Work In Restricted Working Space, Add	9.13	
			For Silver Solder Instead Of 95/5 Solder, Add	4.74	
22 11 16 00-0543	EA	3/4"	Wrot Copper, Solder Union.....	38.98	23.16
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.20	
			For Work In Restricted Working Space, Add	10.40	
			For Silver Solder Instead Of 95/5 Solder, Add	5.41	
22 11 16 00-0544	EA	1"	Wrot Copper, Solder Union.....	48.85	27.64
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.51	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.21	
			For Work In Restricted Working Space, Add	12.43	
			For Silver Solder Instead Of 95/5 Solder, Add	6.58	
22 11 16 00-0545	EA	1-1/4"	Wrot Copper, Solder Union.....	56.40	30.43
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.85	
			For Work In Restricted Working Space, Add	13.69	
			For Silver Solder Instead Of 95/5 Solder, Add	7.38	
22 11 16 00-0546	EA	1-1/2"	Wrot Copper, Solder Union.....	65.89	33.81
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.61	
			For Work In Restricted Working Space, Add	15.21	
			For Silver Solder Instead Of 95/5 Solder, Add	8.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0547 EA 2" Wrot Copper, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	86.72 -7.38 9.13 18.26 10.42	40.57
22 11 16 00-0548 EA 2-1/2" Wrot Copper, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	137.46 -10.22 10.04 20.07 13.56	44.66
22 11 16 00-0549 EA 3" Wrot Copper, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	277.49 -18.62 14.24 28.48 23.37	63.33
22 11 16 00-0550 Cast Bronze, Solder Union (22 11 16 00-0414)		
22 11 16 00-0551 EA 1/4" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.84 -2.41 3.04 6.08 3.42	13.53
22 11 16 00-0552 EA 3/8" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	32.12 -2.83 3.68 7.35 4.06	16.32
22 11 16 00-0553 EA 1/2" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.48 -3.25 4.56 9.13 4.77	20.28
22 11 16 00-0554 EA 3/4" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.73 -3.72 5.20 10.40 5.45	23.16
22 11 16 00-0555 EA 1" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	50.17 -4.58 6.21 12.43 6.65	27.64
22 11 16 00-0556 EA 1-1/4" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	59.99 -5.28 6.85 13.69 7.56	30.43
22 11 16 00-0557 EA 1-1/2" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	69.63 -6.02 7.61 15.21 8.55	33.81
22 11 16 00-0558 EA 2" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	93.10 -7.70 9.13 18.26 10.74	40.57
22 11 16 00-0559 EA 2-1/2" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	137.46 -10.22 10.04 20.07 13.56	44.66
22 11 16 00-0560 EA 3" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	277.49 -18.62 14.24 28.48 23.37	63.33
22 11 16 00-0561 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0414)		
22 11 16 00-0562 EA 1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	30.59 -2.54 3.04 6.08 3.56	13.53
22 11 16 00-0563 EA 3/8" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.18 -2.98 3.68 7.35 4.21	16.32
22 11 16 00-0564 EA 1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	38.90 -3.47 4.56 9.13 4.99	20.28

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0565	EA		3/4" Cast Bronze, Solder X Female Threaded Union.....	46.20	23.16
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.78	
22 11 16 00-0566	EA		1" Cast Bronze, Solder X Female Threaded Union.....	65.44	27.64
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.21	
			<i>For Work In Restricted Working Space, Add</i>	12.43	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.41	
22 11 16 00-0567	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union.....	90.41	30.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	13.69	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.08	
22 11 16 00-0568	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union.....	107.43	33.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.44	
22 11 16 00-0569	EA		2" Cast Bronze, Solder X Female Threaded Union.....	156.86	40.57
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.89	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.13	
			<i>For Work In Restricted Working Space, Add</i>	18.26	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.93	
22 11 16 00-0570	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union.....	248.92	44.66
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.04	
			<i>For Work In Restricted Working Space, Add</i>	20.07	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.14	
22 11 16 00-0571			Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0414)		
22 11 16 00-0572	EA		1/4" Cast Bronze, Solder X Male Threaded Union.....	28.13	13.53
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.04	
			<i>For Work In Restricted Working Space, Add</i>	6.08	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.43	
22 11 16 00-0573	EA		3/8" Cast Bronze, Solder X Male Threaded Union.....	33.68	16.32
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.68	
			<i>For Work In Restricted Working Space, Add</i>	7.35	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.14	
22 11 16 00-0574	EA		1/2" Cast Bronze, Solder X Male Threaded Union.....	37.12	20.28
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.56	
			<i>For Work In Restricted Working Space, Add</i>	9.13	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.90	
22 11 16 00-0575	EA		3/4" Cast Bronze, Solder X Male Threaded Union.....	44.69	23.16
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.70	
22 11 16 00-0576	EA		1" Cast Bronze, Solder X Male Threaded Union.....	66.14	27.64
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.21	
			<i>For Work In Restricted Working Space, Add</i>	12.43	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.45	
22 11 16 00-0577	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	76.30	30.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	13.69	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.38	
22 11 16 00-0578	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	82.91	33.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.22	
22 11 16 00-0579	EA		2" Cast Bronze, Solder X Male Threaded Union.....	110.32	40.57
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.13	
			<i>For Work In Restricted Working Space, Add</i>	18.26	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.60	
22 11 16 00-0580	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	211.87	44.66
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.94	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.04	
			<i>For Work In Restricted Working Space, Add</i>	20.07	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.28	
22 11 16 00-0581			Copper Caps (22 11 16 00-0414)		
22 11 16 00-0582	EA		1/4" Copper Cap	3.51	2.13
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.48	
			<i>For Work In Restricted Working Space, Add</i>	0.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0583 EA 3/8" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.92 -0.37 0.51 1.01 0.53	2.25
22 11 16 00-0584 EA 1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.86 -0.37 0.54 1.08 0.55	2.43
22 11 16 00-0585 EA 3/4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.01 -0.48 0.68 1.35 0.70	3.04
22 11 16 00-0586 EA 1" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.92 -0.63 0.86 1.71 0.92	3.85
22 11 16 00-0587 EA 1-1/4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.44 -0.86 1.17 2.35 1.25	5.27
22 11 16 00-0588 EA 1-1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.54 -1.04 1.38 2.76 1.50	6.20
22 11 16 00-0589 EA 2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.81 -2.26 3.07 6.14 3.29	13.81
22 11 16 00-0590 EA 2-1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	44.14 -3.76 4.67 9.34 5.32	21.01
22 11 16 00-0591 EA 3" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	59.49 -5.02 6.13 12.25 7.06	27.57
22 11 16 00-0592 EA 4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	83.83 -6.62 7.29 14.59 9.05	32.83
22 11 16 00-0593 EA 5" Cast Bronze Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	314.93 -19.12 10.13 20.26 22.50	45.04
22 11 16 00-0594 EA 6" Cast Bronze Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	579.35 -33.29 12.97 25.93 37.61	58.36
22 11 16 00-0595 EA 8" Cast Bronze Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	750.06 -43.73 18.67 37.34 49.95	84.02
22 11 16 00-0596 Copper Crosses (22 11 16 00-0414)		
22 11 16 00-0597 EA 1/2" Copper Cross <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	55.68 -5.35 7.70 15.41 7.92	34.24
22 11 16 00-0598 EA 3/4" Copper Cross <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	72.21 -6.80 9.57 19.14 9.99	42.56
22 11 16 00-0599 EA 1" Copper Cross <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	90.55 -8.34 11.44 22.88 12.15	50.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0600 EA 1-1/4" Copper Cross	103.02	55.00
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.37	
For Work In Restricted Working Space, Add	24.74	
For Silver Solder Instead Of 95/5 Solder, Add	13.40	
22 11 16 00-0601 EA 1-1/2" Copper Cross	119.55	60.14
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.54	
For Work In Restricted Working Space, Add	27.08	
For Silver Solder Instead Of 95/5 Solder, Add	15.00	
22 11 16 00-0602 EA 2" Copper Cross.....	156.49	67.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.17	
For Work In Restricted Working Space, Add	30.34	
For Silver Solder Instead Of 95/5 Solder, Add	17.94	
22 11 16 00-0603 EA 2-1/2" Copper Cross	239.62	74.69
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.81	
For Work In Restricted Working Space, Add	33.61	
For Silver Solder Instead Of 95/5 Solder, Add	23.19	
22 11 16 00-0604 Cast Bronze Crosses (22 11 16 00-0414)		
22 11 16 00-0605 EA 3/8" Cast Bronze Cross.....	43.13	24.89
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.02	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.60	
For Work In Restricted Working Space, Add	11.21	
For Silver Solder Instead Of 95/5 Solder, Add	5.89	
22 11 16 00-0606 EA 1/2" Cast Bronze Cross.....	56.55	34.24
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.40	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.70	
For Work In Restricted Working Space, Add	15.41	
For Silver Solder Instead Of 95/5 Solder, Add	7.96	
22 11 16 00-0607 EA 3/4" Cast Bronze Cross.....	73.89	42.56
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.57	
For Work In Restricted Working Space, Add	19.14	
For Silver Solder Instead Of 95/5 Solder, Add	10.07	
22 11 16 00-0608 EA 1" Cast Bronze Cross.....	93.41	50.80
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.44	
For Work In Restricted Working Space, Add	22.88	
For Silver Solder Instead Of 95/5 Solder, Add	12.30	
22 11 16 00-0609 EA 1-1/4" Cast Bronze Cross.....	107.13	55.00
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.37	
For Work In Restricted Working Space, Add	24.74	
For Silver Solder Instead Of 95/5 Solder, Add	13.60	
22 11 16 00-0610 EA 1-1/2" Cast Bronze Cross.....	125.40	60.14
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.54	
For Work In Restricted Working Space, Add	27.08	
For Silver Solder Instead Of 95/5 Solder, Add	15.30	
22 11 16 00-0611 EA 2" Cast Bronze Cross.....	167.55	67.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.17	
For Work In Restricted Working Space, Add	30.34	
For Silver Solder Instead Of 95/5 Solder, Add	18.49	
22 11 16 00-0612 EA 2-1/2" Cast Bronze Cross.....	265.13	74.69
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.81	
For Work In Restricted Working Space, Add	33.61	
For Silver Solder Instead Of 95/5 Solder, Add	24.46	
22 11 16 00-0613 Crimped Copper Fittings (22 11 16 00-0345)		
Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0614 Crimped Copper 90 Degree Elbows (22 11 16 00-0613)		
22 11 16 00-0615 EA 1/2" Crimped Copper 90 Degree Elbow	15.83	10.15
22 11 16 00-0616 EA 3/4" Crimped Copper 90 Degree Elbow	18.37	11.58
22 11 16 00-0617 EA 1" Crimped Copper 90 Degree Elbow	22.81	13.78
22 11 16 00-0618 EA 1-1/4" Crimped Copper 90 Degree Elbow.....	27.08	15.21
22 11 16 00-0619 EA 1-1/2" Crimped Copper 90 Degree Elbow.....	33.42	16.90
22 11 16 00-0620 EA 2" Crimped Copper 90 Degree Elbow.....	41.65	20.28
22 11 16 00-0621 EA 2-1/2" Crimped Copper 90 Degree Elbow.....	68.09	23.66
22 11 16 00-0622 EA 3" Crimped Copper 90 Degree Elbow.....	83.27	28.14
22 11 16 00-0623 EA 4" Crimped Copper 90 Degree Elbow.....	106.51	37.19
22 11 16 00-0624 Crimped Copper 45 Degree Elbows (22 11 16 00-0613)		
22 11 16 00-0625 EA 1/2" Crimped Copper 45 Degree Elbow	15.93	10.15
22 11 16 00-0626 EA 3/4" Crimped Copper 45 Degree Elbow	18.21	11.58
22 11 16 00-0627 EA 1" Crimped Copper 45 Degree Elbow	23.56	13.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0628	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	26.92	15.21
22 11 16 00-0629	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	32.00	16.90
22 11 16 00-0630	EA		2" Crimped Copper 45 Degree Elbow.....	39.73	20.28
22 11 16 00-0631	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	57.03	23.66
22 11 16 00-0632	EA		3" Crimped Copper 45 Degree Elbow.....	73.02	28.14
22 11 16 00-0633	EA		4" Crimped Copper 45 Degree Elbow.....	98.50	37.19
22 11 16 00-0634			Crimped Copper Straight Tees (22 11 16 00-0613)		
22 11 16 00-0635	EA		1/2" Crimped Copper Straight Tee.....	23.77	15.21
22 11 16 00-0636	EA		3/4" Crimped Copper Straight Tee.....	31.68	20.03
22 11 16 00-0637	EA		1" Crimped Copper Straight Tee.....	36.41	22.22
22 11 16 00-0638	EA		1-1/4" Crimped Copper Straight Tee.....	39.34	22.82
22 11 16 00-0639	EA		1-1/2" Crimped Copper Straight Tee.....	48.82	25.95
22 11 16 00-0640	EA		2" Crimped Copper Straight Tee.....	57.92	30.43
22 11 16 00-0641	EA		2-1/2" Crimped Copper Straight Tee.....	93.52	35.50
22 11 16 00-0642	EA		3" Crimped Copper Straight Tee.....	113.73	42.26
22 11 16 00-0643	EA		4" Crimped Copper Straight Tee.....	154.30	55.78
22 11 16 00-0644			Crimped Copper Reducing Tees (22 11 16 00-0613)		
22 11 16 00-0645	EA		3/4" Crimped Copper Reducing Tee.....	24.31	14.45
22 11 16 00-0646	EA		1" Crimped Copper Reducing Tee.....	33.08	19.01
22 11 16 00-0647	EA		1-1/4" Crimped Copper Reducing Tee.....	36.38	21.13
22 11 16 00-0648	EA		1-1/2" Crimped Copper Reducing Tee.....	41.36	21.72
22 11 16 00-0649	EA		2" Crimped Copper Reducing Tee.....	48.10	24.60
22 11 16 00-0650	EA		2-1/2" Crimped Copper Reducing Tee.....	89.56	27.89
22 11 16 00-0651	EA		3" Crimped Copper Reducing Tee.....	108.62	33.81
22 11 16 00-0652	EA		4" Crimped Copper Reducing Tee.....	133.51	45.05
22 11 16 00-0653			Crimped Copper Couplings (22 11 16 00-0613)		
22 11 16 00-0654	EA		1/2" Crimped Copper Coupling.....	15.77	10.15
22 11 16 00-0655	EA		3/4" Crimped Copper Coupling.....	18.17	11.58
22 11 16 00-0656	EA		1" Crimped Copper Coupling.....	22.42	13.78
22 11 16 00-0657	EA		1-1/4" Crimped Copper Coupling.....	24.95	15.21
22 11 16 00-0658	EA		1-1/2" Crimped Copper Coupling.....	29.32	16.90
22 11 16 00-0659	EA		2" Crimped Copper Coupling.....	35.50	20.28
22 11 16 00-0660	EA		2-1/2" Crimped Copper Coupling.....	51.73	23.66
22 11 16 00-0661	EA		3" Crimped Copper Coupling.....	62.93	28.14
22 11 16 00-0662	EA		4" Crimped Copper Coupling.....	84.49	37.19
22 11 16 00-0663			Crimped Copper Reducing Couplings (22 11 16 00-0613)		
22 11 16 00-0664	EA		3/4" Crimped Copper Reducing Coupling.....	17.00	9.63
22 11 16 00-0665	EA		1" Crimped Copper Reducing Coupling.....	19.40	10.99
22 11 16 00-0666	EA		1-1/4" Crimped Copper Reducing Coupling.....	23.95	13.10
22 11 16 00-0667	EA		1-1/2" Crimped Copper Reducing Coupling.....	27.97	14.45
22 11 16 00-0668	EA		2" Crimped Copper Reducing Coupling.....	31.13	16.05
22 11 16 00-0669	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	47.92	19.18
22 11 16 00-0670	EA		3" Crimped Copper FTG x C Reducing Coupling.....	58.27	22.57
22 11 16 00-0671	EA		4" Crimped Copper FTG x C Reducing Coupling.....	76.35	29.83
22 11 16 00-0672			Crimped Copper Male Adapters (22 11 16 00-0613)		
22 11 16 00-0673	EA		1/2" Crimped Copper Male Adapter.....	15.89	10.15
22 11 16 00-0674	EA		3/4" Crimped Copper Male Adapter.....	18.56	11.58
22 11 16 00-0675	EA		1" Crimped Copper Male Adapter.....	22.98	13.78
22 11 16 00-0676	EA		1-1/4" Crimped Copper Male Adapter.....	27.81	15.21
22 11 16 00-0677	EA		1-1/2" Crimped Copper Male Adapter.....	32.35	16.90
22 11 16 00-0678	EA		2" Crimped Copper Male Adapter.....	43.91	20.28
22 11 16 00-0679	EA		2-1/2" Crimped Copper Male Adapter.....	68.09	23.66
22 11 16 00-0680	EA		3" Crimped Copper Male Adapter.....	83.27	28.14
22 11 16 00-0681	EA		4" Crimped Copper Male Adapter.....	103.25	37.19
22 11 16 00-0682			Crimped Copper Female Adapters (22 11 16 00-0613)		
22 11 16 00-0683	EA		1/2" Crimped Copper Female Adapter.....	16.04	10.15
22 11 16 00-0684	EA		3/4" Crimped Copper Female Adapter.....	18.67	11.58
22 11 16 00-0685	EA		1" Crimped Copper Female Adapter.....	23.18	13.78
22 11 16 00-0686	EA		1-1/4" Crimped Copper Female Adapter.....	28.43	15.21
22 11 16 00-0687	EA		1-1/2" Crimped Copper Female Adapter.....	33.51	16.90
22 11 16 00-0688	EA		2" Crimped Copper Female Adapter.....	44.28	20.28
22 11 16 00-0689			Crimped Copper Caps (22 11 16 00-0613)		
22 11 16 00-0690	EA		1/2" Crimped Copper Cap.....	8.81	5.07
22 11 16 00-0691	EA		3/4" Crimped Copper Cap.....	10.91	5.92
22 11 16 00-0692	EA		1" Crimped Copper Cap.....	13.28	6.76
22 11 16 00-0693	EA		1-1/4" Crimped Copper Cap.....	14.95	7.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0694 EA 1-1/2" Crimped Copper Cap.....	18.59	8.71
22 11 16 00-0695 EA 2" Crimped Copper Cap.....	21.88	10.15
22 11 16 00-0696 EA 2-1/2" Crimped Copper Cap.....	39.06	11.84
22 11 16 00-0697 EA 3" Crimped Copper Cap.....	48.10	14.11
22 11 16 00-0698 EA 4" Crimped Copper Cap.....	63.83	18.59
22 11 16 00-0699 C x F NPT Crimped Bronze Unions (22 11 16 00-0613)		
22 11 16 00-0700 EA 1/2" C x F NPT Crimped Bronze Union.....	24.22	13.78
22 11 16 00-0701 EA 3/4" C x F NPT Crimped Bronze Union.....	29.96	16.99
22 11 16 00-0702 EA 1" C x F NPT Crimped Bronze Union.....	38.01	20.37
22 11 16 00-0703 EA 1-1/4" C x F NPT Crimped Bronze Union.....	44.81	23.49
22 11 16 00-0704 EA 1-1/2" C x F NPT Crimped Bronze Union.....	49.39	22.99
22 11 16 00-0705 EA 2" C x F NPT Crimped Bronze Union.....	69.61	33.30
22 11 16 00-0706 C x C Crimped Bronze Unions (22 11 16 00-0613)		
22 11 16 00-0707 EA 1/2" C x C Bronze Crimped Union.....	19.60	10.15
22 11 16 00-0708 EA 3/4" C x C Bronze Crimped Union.....	23.07	11.58
22 11 16 00-0709 EA 1" C x C Bronze Crimped Union.....	29.89	13.78
22 11 16 00-0710 EA 1-1/4" C x C Bronze Crimped Union.....	35.94	15.21
22 11 16 00-0711 EA 1-1/2" C x C Bronze Crimped Union.....	43.17	16.90
22 11 16 00-0712 EA 2" C x C Bronze Crimped Union.....	59.54	20.28
22 11 16 00-0713 C x Flange Crimped Bronze Flange (22 11 16 00-0613)		
22 11 16 00-0714 EA 2-1/2" C x Flange Crimped Bronze Flange.....	97.82	23.66
22 11 16 00-0715 EA 3" C x Flange Crimped Bronze Flange.....	109.34	28.14
22 11 16 00-0716 EA 4" C x Flange Crimped Bronze Flange.....	130.87	37.19
22 11 16 00-0717 Field Installed FKM Seals (22 11 16 00-0613)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0718 EA 1/2" Field Installed FKM Seal.....	4.15	
Note: To be used in conjunction with fittings.		
22 11 16 00-0719 EA 3/4" Field Installed FKM Seal.....	4.98	
Note: To be used in conjunction with fittings.		
22 11 16 00-0720 EA 1" Field Installed FKM Seal.....	5.69	
Note: To be used in conjunction with fittings.		
22 11 16 00-0721 EA 1-1/4" Field Installed FKM Seal.....	6.46	
Note: To be used in conjunction with fittings.		
22 11 16 00-0722 EA 1-1/2" Field Installed FKM Seal.....	7.96	
Note: To be used in conjunction with fittings.		
22 11 16 00-0723 EA 2" Field Installed FKM Seal.....	9.10	
Note: To be used in conjunction with fittings.		
22 11 16 00-0724 EA 2-1/2" Field Installed FKM Seal.....	11.72	
Note: To be used in conjunction with fittings.		
22 11 16 00-0725 EA 3" Field Installed FKM Seal.....	13.74	
Note: To be used in conjunction with fittings.		
22 11 16 00-0726 EA 4" Field Installed FKM Seal.....	18.38	
Note: To be used in conjunction with fittings.		
22 11 16 00-0727 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0345)		
22 11 16 00-0728 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	8.45	
22 11 16 00-0729 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	9.13	
22 11 16 00-0730 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	10.27	
22 11 16 00-0731 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	10.78	
22 11 16 00-0732 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	11.41	
22 11 16 00-0733 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	12.55	
22 11 16 00-0734 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	13.53	
22 11 16 00-0735 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	15.97	
22 11 16 00-0736 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	21.55	
22 11 16 00-0737 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	30.80	
22 11 16 00-0738 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	41.08	
22 11 16 00-0739 Sweat Brass Companion Flanges (22 11 16 00-0345)		
22 11 16 00-0740 EA 1" Sweat Brass Companion Flange.....	31.41	12.99
22 11 16 00-0741 EA 1-1/4" Sweat Brass Companion Flange.....	34.38	14.32
22 11 16 00-0742 EA 1-1/2" Sweat Brass Companion Flange.....	44.97	15.56
22 11 16 00-0743 EA 2" Sweat Brass Companion Flange.....	57.12	17.27
22 11 16 00-0744 EA 2-1/2" Sweat Brass Companion Flange.....	71.27	20.77
22 11 16 00-0745 EA 3" Sweat Brass Companion Flange.....	82.39	27.23
22 11 16 00-0746 EA 4" Sweat Brass Companion Flange.....	106.62	32.45
22 11 16 00-0747 EA 5" Sweat Brass Companion Flange.....	202.87	39.20
22 11 16 00-0748 EA 6" Sweat Brass Companion Flange.....	250.09	56.96
22 11 16 00-0749 EA 8" Copper Companion Flange.....	506.05	81.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0750 Brass Compression Fittings (22 11 16 00-0345)		
22 11 16 00-0751 Brass Compression Unions (22 11 16 00-0750)		
22 11 16 00-0752 EA 1/4" Brass Compression Union	14.41	9.13
22 11 16 00-0753 EA 3/8" Brass Compression Union	14.61	9.13
22 11 16 00-0754 EA 1/2" Brass Compression Union	15.22	9.13
22 11 16 00-0755 EA 5/8" Brass Compression Union	15.51	9.13
22 11 16 00-0756 EA 3/4" Brass Compression Union	17.91	9.13
22 11 16 00-0757 EA 3/8" x 1/4" Brass Compression Union	14.75	9.13
22 11 16 00-0758 EA 1/2" x 3/8" Brass Compression Union	15.27	9.13
22 11 16 00-0759 EA 5/8" x 3/8" Brass Compression Union	15.63	9.13
22 11 16 00-0760 EA 5/8" x 1/2" Brass Compression Union	16.21	9.13
22 11 16 00-0761 Brass Compression Union Elbows (22 11 16 00-0750)		
22 11 16 00-0762 EA 1/4" Brass Compression Union Elbow	15.22	9.13
22 11 16 00-0763 EA 3/8" Brass Compression Union Elbow	15.55	9.13
22 11 16 00-0764 EA 1/2" Brass Compression Union Elbow	16.27	9.13
22 11 16 00-0765 EA 5/8" Brass Compression Union Elbow	17.39	9.13
22 11 16 00-0766 EA 3/4" Brass Compression Union Elbow	21.75	9.13
22 11 16 00-0767 EA 3/8" x 1/4" Brass Compression Union Elbow	15.55	9.13
22 11 16 00-0768 EA 1/2" x 3/8" Brass Compression Union Elbow	16.27	9.13
22 11 16 00-0769 EA 5/8" x 3/8" Brass Compression Union Elbow	16.47	9.13
22 11 16 00-0770 EA 5/8" x 1/2" Brass Compression Union Elbow	19.75	9.13
22 11 16 00-0771 Brass Compression Union Tees (22 11 16 00-0750)		
22 11 16 00-0772 EA 1/4" Brass Compression Union Tee	15.47	9.13
22 11 16 00-0773 EA 3/8" Brass Compression Union Tee	16.15	9.13
22 11 16 00-0774 EA 1/2" Brass Compression Union Tee	16.87	9.13
22 11 16 00-0775 EA 5/8" Brass Compression Union Tee	19.15	9.13
22 11 16 00-0776 EA 3/4" Brass Compression Union Tee	27.03	9.13
22 11 16 00-0777 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee	16.63	9.13
22 11 16 00-0778 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee	20.33	9.13
22 11 16 00-0779 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee	19.97	9.13
22 11 16 00-0780 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee	20.39	9.13
22 11 16 00-0781 Brass Compression Male Connectors (22 11 16 00-0750)		
22 11 16 00-0782 EA 1/4" Brass Compression Male Connector	14.27	9.13
22 11 16 00-0783 EA 3/8" Brass Compression Male Connector	14.53	9.13
22 11 16 00-0784 EA 1/2" Brass Compression Male Connector	14.99	9.13
22 11 16 00-0785 EA 5/8" Brass Compression Male Connector	15.67	9.13
22 11 16 00-0786 EA 3/4" Brass Compression Male Connector	16.64	9.04
22 11 16 00-0787 Brass Compression Female Connectors (22 11 16 00-0750)		
22 11 16 00-0788 EA 1/4" Brass Compression Female Connector	14.56	9.13
22 11 16 00-0789 EA 3/8" Brass Compression Female Connector	14.90	9.13
22 11 16 00-0790 EA 1/2" Brass Compression Female Connector	15.48	9.13
22 11 16 00-0791 EA 5/8" Brass Compression Female Connector	15.86	9.13
22 11 16 00-0792 EA 3/4" Brass Compression Female Connector	19.53	8.96
22 11 16 00-0793 Dielectric Fittings (22 11 16 00-0345)		
22 11 16 00-0794 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0793)		
22 11 16 00-0795 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union	36.20	20.28
22 11 16 00-0796 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union	40.42	23.16
22 11 16 00-0797 EA 1" Copper x Female Iron Pipe Thread Dielectric Union	48.17	25.44
22 11 16 00-0798 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	58.48	28.00
22 11 16 00-0799 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	70.82	31.12
22 11 16 00-0800 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	90.04	37.35
22 11 16 00-0801 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0793)		
22 11 16 00-0802 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	39.85	20.28
22 11 16 00-0803 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	46.43	23.16
22 11 16 00-0804 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union	56.09	25.44
22 11 16 00-0805 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	68.99	28.00
22 11 16 00-0806 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	83.82	31.12
22 11 16 00-0807 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union	105.29	37.35
22 11 16 00-0808 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0793)		
22 11 16 00-0809 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	37.54	20.28
22 11 16 00-0810 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	42.62	23.16
22 11 16 00-0811 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	48.75	25.44
22 11 16 00-0812 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	56.45	28.00
22 11 16 00-0813 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	68.81	31.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0814 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	88.42	37.35
22 11 16 00-0815 Copper x Female Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0793)</small>		
22 11 16 00-0816 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	218.99	96.01
22 11 16 00-0817 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....	274.13	120.90
22 11 16 00-0818 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	386.74	164.55
22 11 16 00-0819 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0793)</small>		
22 11 16 00-0820 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	220.50	96.01
22 11 16 00-0821 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	286.09	120.90
22 11 16 00-0822 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	524.70	164.55
22 11 16 00-0823 Brass Push-Fit Fittings <small>(22 11 16)</small>		
22 11 16 00-0824 EA 1/4" x 1/4" Brass Push-Fit Coupling.....	16.76	8.45
Note: (Sharkbite)		
22 11 16 00-0825 EA 3/8" x 3/8" Brass Push-Fit Coupling.....	20.24	9.02
Note: (Sharkbite)		
22 11 16 00-0826 EA 1/2" x 1/2" Brass Push-Fit Coupling.....	21.28	10.15
Note: (Sharkbite)		
22 11 16 00-0827 EA 5/8" x 5/8" Brass Push-Fit Coupling.....	24.17	10.82
Note: (Sharkbite)		
22 11 16 00-0828 EA 3/4" x 3/4" Brass Push-Fit Coupling.....	24.83	11.56
Note: (Sharkbite)		
22 11 16 00-0829 EA 1" x 1" Brass Push-Fit Coupling.....	33.97	13.80
Note: (Sharkbite)		
22 11 16 00-0830 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	20.76	9.57
Note: (Sharkbite)		
22 11 16 00-0831 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	23.80	10.48
Note: (Sharkbite)		
22 11 16 00-0832 EA 1" x 3/4" Brass Push-Fit Reducing Coupling.....	34.32	12.68
Note: (Sharkbite)		
22 11 16 00-0833 EA 1/4" x 1/4" Brass Push-Fit Elbow.....	17.35	8.45
Note: (Sharkbite)		
22 11 16 00-0834 EA 3/8" x 3/8" Brass Push-Fit Elbow.....	22.76	9.02
Note: (Sharkbite)		
22 11 16 00-0835 EA 1/2" x 1/2" Brass Push-Fit Elbow.....	21.60	10.15
Note: (Sharkbite)		
22 11 16 00-0836 EA 5/8" x 5/8" Brass Push-Fit Elbow.....	25.63	10.82
Note: (Sharkbite)		
22 11 16 00-0837 EA 3/4" x 3/4" Brass Push-Fit Elbow.....	24.41	11.56
Note: (Sharkbite)		
22 11 16 00-0838 EA 1" x 1" Brass Push-Fit Elbow.....	34.29	13.80
Note: (Sharkbite)		
22 11 16 00-0839 EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow.....	20.49	9.57
Note: (Sharkbite)		
22 11 16 00-0840 EA 3/4" x 1/2" Brass Push-Fit Reducing Elbow.....	22.76	10.48
Note: (Sharkbite)		
22 11 16 00-0841 EA 1" x 3/4" Brass Push-Fit Reducing Elbow.....	41.51	12.68
Note: (Sharkbite)		
22 11 16 00-0842 EA 1/4" x 1/4" x 1/4" Brass Push-Fit Tee.....	26.26	12.68
Note: (Sharkbite)		
22 11 16 00-0843 EA 3/8" x 3/8" x 3/8" Brass Push-Fit Tee.....	32.29	13.53
Note: (Sharkbite)		
22 11 16 00-0844 EA 1/2" x 1/2" x 1/2" Brass Push-Fit Tee.....	30.66	15.21
Note: (Sharkbite)		
22 11 16 00-0845 EA 5/8" x 5/8" x 5/8" Brass Push-Fit Tee.....	37.82	16.23
Note: (Sharkbite)		
22 11 16 00-0846 EA 3/4" x 3/4" x 3/4" Brass Push-Fit Tee.....	35.60	17.32
Note: (Sharkbite)		
22 11 16 00-0847 EA 1" x 1" x 1" Brass Push-Fit Tee.....	47.53	20.70
Note: (Sharkbite)		
22 11 16 00-0848 EA 1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee.....	33.37	14.37
Note: (Sharkbite)		
22 11 16 00-0849 EA 1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee.....	33.63	14.65
Note: (Sharkbite)		
22 11 16 00-0850 EA 3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee.....	34.33	16.63
Note: (Sharkbite)		
22 11 16 00-0851 EA 1" x 1" x 3/4" Brass Push-Fit Reducing Tee.....	45.91	19.59
Note: (Sharkbite)		
22 11 16 00-0852 EA 1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector.....	19.66	9.30
Note: (Sharkbite)		
22 11 16 00-0853 EA 3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector.....	19.58	9.57
Note: (Sharkbite)		
22 11 16 00-0854 EA 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector.....	19.60	10.15
Note: (Sharkbite)		
22 11 16 00-0855 EA 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector.....	22.42	11.56
Note: (Sharkbite)		
22 11 16 00-0856 EA 1" x 1" Brass Push-Fit Pipe To FNPT Connector.....	30.58	13.80
Note: (Sharkbite)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0857	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	17.65	9.30
	22 11 16 00-0858	EA		3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.58	9.57
	22 11 16 00-0859	EA		1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	19.65	10.15
	22 11 16 00-0860	EA		3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	22.24	11.56
	22 11 16 00-0861	EA		5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.65	11.18
	22 11 16 00-0862	EA		1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	28.09	12.68
	22 11 16 00-0863	EA		1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	30.96	13.80
	22 11 16 00-0864	EA		1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	26.59	10.15
	22 11 16 00-0865	EA		3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	30.96	11.56
	22 11 16 00-0866	EA		1" Brass Push-Fit Ball Valve Note: (Sharkbite)	40.35	13.80
	22 11 16 00-0867	EA		1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	28.21	10.15
	22 11 16 00-0868	EA		3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	33.70	11.56
	22 11 16 00-0869	EA		1" Brass Push-Fit Check Valve Note: (Sharkbite)	54.59	13.80
	22 11 16 00-0870			Copper Pipe Assemblies <small>(22 11 16)</small> Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
	22 11 16 00-0871	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.07 <i>For Type M Tubing Instead Of Type L, Deduct</i> -0.90 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.14 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.48 <i>For Work In Restricted Working Space, Add</i> 3.97	16.35	2.37
	22 11 16 00-0872	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.25 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.05 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.44 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.69 <i>For Work In Restricted Working Space, Add</i> 4.50	18.72	3.04
	22 11 16 00-0873	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.45 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.19 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.59 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.81 <i>For Work In Restricted Working Space, Add</i> 4.71	20.42	3.63
	22 11 16 00-0874	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.80 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.44 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.78 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.96 <i>For Work In Restricted Working Space, Add</i> 4.90 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.66	22.90	4.23
	22 11 16 00-0875	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 2.18 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.72 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.03 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.17 <i>For Work In Restricted Working Space, Add</i> 5.22 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.85	25.91	4.82
	22 11 16 00-0876	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 3.58 <i>For Type M Tubing Instead Of Type L, Deduct</i> -2.72 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.80 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.80 <i>For Work In Restricted Working Space, Add</i> 6.01 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -1.60	35.98	6.00

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0877	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	43.61 4.72 -3.52 4.33 -3.25 6.44 -2.21	7.24
22 11 16 00-0878	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	51.30 5.82 -4.30 4.89 -3.73 6.98 -2.81	8.40
22 11 16 00-0879	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	75.08 9.05 -6.60 6.76 -5.26 9.02 -4.50	11.13
22 11 16 00-0880	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	163.74 23.37 -16.56 12.05 -10.12 11.58 -12.52	13.85
22 11 16 00-0881	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	194.46 27.33 -19.41 14.62 -12.17 14.70 -14.55	16.73
22 11 16 00-0882	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	364.68 55.41 -38.89 24.33 -21.28 18.27 -30.38	20.00
22 11 16 00-0883			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0884			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0883)		
22 11 16 00-0885			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0884)		
22 11 16 00-0886	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	4.21 0.93	1.25
22 11 16 00-0887	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	4.77 0.98	1.31
22 11 16 00-0888	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	5.73 1.05	1.41
22 11 16 00-0889	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	6.91 1.16	1.53
22 11 16 00-0890	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	7.96 1.28	1.69
22 11 16 00-0891	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	9.87 1.42	1.90
22 11 16 00-0892	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	13.24 1.62	2.16
22 11 16 00-0893	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	16.86 1.91	2.55
22 11 16 00-0894	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	23.22 2.35	3.13
22 11 16 00-0895	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	39.73 2.99	3.99
22 11 16 00-0896	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	56.97 3.92	5.23



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0897	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0884)</small>			
22 11 16 00-0898	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	16.51 4.43	5.91	
22 11 16 00-0899	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	21.35 5.60	7.47	
22 11 16 00-0900	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	27.66 7.03	9.33	
22 11 16 00-0901	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	37.42 8.78	11.67	
22 11 16 00-0902	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	41.59 9.71	12.92	
22 11 16 00-0903	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.54 10.83	12.92	
22 11 16 00-0904	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	73.47 12.32	16.41	
22 11 16 00-0905	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.75 14.57	19.46	
22 11 16 00-0906	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	118.46 17.93	23.89	
22 11 16 00-0907	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	149.52 22.78	30.34	
22 11 16 00-0908	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	279.67 29.88	39.84	
22 11 16 00-0909	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0884)</small>			
22 11 16 00-0910	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	17.37 4.43	5.91	
22 11 16 00-0911	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	22.39 5.60	7.47	
22 11 16 00-0912	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	29.34 7.03	9.33	
22 11 16 00-0913	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	39.63 8.78	11.67	
22 11 16 00-0914	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.27 9.71	12.92	
22 11 16 00-0915	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.45 10.83	14.47	
22 11 16 00-0916	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.05 12.32	16.41	
22 11 16 00-0917	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	83.67 14.57	19.46	
22 11 16 00-0918	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	107.94 17.93	23.89	
22 11 16 00-0919	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	169.24 22.78	30.34	
22 11 16 00-0920	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	293.64 29.88	39.84	
22 11 16 00-0921	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0884)</small>			
22 11 16 00-0922	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	25.31 6.65	8.87	
22 11 16 00-0923	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	33.01 8.40	11.21	
22 11 16 00-0924	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	41.32 10.55	14.08	
22 11 16 00-0925	EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	56.87 13.16	17.58	
22 11 16 00-0926	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	63.43 14.57	19.46	
22 11 16 00-0927	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	76.34 16.25	21.63	
22 11 16 00-0928	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	98.08 18.49	24.66	
22 11 16 00-0929	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	112.50 21.85	29.10	
22 11 16 00-0930	EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	136.49 26.89	35.87	
22 11 16 00-0931	EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	205.47 34.17	45.60	
22 11 16 00-0932	EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	411.54 44.81	59.76	
22 11 16 00-0933	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses <small>(22 11 16 00-0884)</small>			
22 11 16 00-0934	EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	32.27 8.87	11.82	
22 11 16 00-0935	EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	41.66 11.21	14.93	
22 11 16 00-0936	EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	52.15 14.05	18.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0937 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	69.70 17.55	23.42
22 11 16 00-0938 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	77.55 19.42	25.91
22 11 16 00-0939 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	91.32 21.66	28.86
22 11 16 00-0940 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	113.56 24.65	32.83
22 11 16 00-0941 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	131.26 29.13	38.82
22 11 16 00-0942 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	159.86 35.85	47.77
22 11 16 00-0943 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	230.74 45.56	60.76
22 11 16 00-0944 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	424.98 59.75	79.67
22 11 16 00-0945 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0884)</small>		
22 11 16 00-0946 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	14.73 4.11	5.45
22 11 16 00-0947 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	20.45 5.53	7.39
22 11 16 00-0948 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	33.32 7.24	9.65
22 11 16 00-0949 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	37.55 8.01	10.65
22 11 16 00-0950 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	44.06 8.94	11.90
22 11 16 00-0951 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	48.19 10.18	13.53
22 11 16 00-0952 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	58.33 12.02	16.03
22 11 16 00-0953 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	78.58 14.80	19.69
22 11 16 00-0954 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	124.96 18.79	25.05
22 11 16 00-0955 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	269.67 24.65	32.83
22 11 16 00-0956 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts <small>(22 11 16 00-0884)</small>		
22 11 16 00-0957 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	16.49 2.92	3.89
22 11 16 00-0958 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	20.98 4.11	5.45
22 11 16 00-0959 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	26.25 5.53	7.39
22 11 16 00-0960 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	32.82 7.24	9.65
22 11 16 00-0961 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	38.29 8.01	10.65
22 11 16 00-0962 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	47.75 8.94	11.90
22 11 16 00-0963 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	72.29 10.18	13.53
22 11 16 00-0964 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	140.27 12.02	16.03
22 11 16 00-0965 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	207.24 14.80	19.69
22 11 16 00-0966 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <small>(22 11 16 00-0884)</small>		
22 11 16 00-0967 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	12.32 2.92	3.89
22 11 16 00-0968 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.20 4.11	5.45
22 11 16 00-0969 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.33 5.53	7.39
22 11 16 00-0970 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	32.82 7.24	9.65
22 11 16 00-0971 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	38.46 8.01	10.65
22 11 16 00-0972 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	45.71 8.94	11.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0973 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	64.05	13.53
<i>For Work In Restricted Working Space, Add</i>	10.18	
22 11 16 00-0974 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	76.49	16.03
<i>For Work In Restricted Working Space, Add</i>	12.02	
22 11 16 00-0975 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	110.90	19.69
<i>For Work In Restricted Working Space, Add</i>	14.80	
22 11 16 00-0976 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0884)</small>		
22 11 16 00-0977 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	13.30	3.89
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 11 16 00-0978 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	17.51	5.45
<i>For Work In Restricted Working Space, Add</i>	4.11	
22 11 16 00-0979 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	24.42	7.39
<i>For Work In Restricted Working Space, Add</i>	5.53	
22 11 16 00-0980 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	33.11	9.65
<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0981 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	37.14	10.65
<i>For Work In Restricted Working Space, Add</i>	8.01	
22 11 16 00-0982 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	44.63	11.90
<i>For Work In Restricted Working Space, Add</i>	8.94	
22 11 16 00-0983 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	64.67	13.53
<i>For Work In Restricted Working Space, Add</i>	10.18	
22 11 16 00-0984 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	87.37	16.03
<i>For Work In Restricted Working Space, Add</i>	12.02	
22 11 16 00-0985 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	129.39	19.69
<i>For Work In Restricted Working Space, Add</i>	14.80	
22 11 16 00-0986 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0884)</small>		
22 11 16 00-0987 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	11.07	3.57
<i>For Work In Restricted Working Space, Add</i>	2.66	
22 11 16 00-0988 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	15.56	4.97
<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0989 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	20.92	6.69
<i>For Work In Restricted Working Space, Add</i>	5.02	
22 11 16 00-0990 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	28.19	8.79
<i>For Work In Restricted Working Space, Add</i>	6.58	
22 11 16 00-0991 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	32.16	9.73
<i>For Work In Restricted Working Space, Add</i>	7.28	
22 11 16 00-0992 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	36.23	10.82
<i>For Work In Restricted Working Space, Add</i>	8.12	
22 11 16 00-0993 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	52.76	12.30
<i>For Work In Restricted Working Space, Add</i>	9.24	
22 11 16 00-0994 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	58.57	14.55
<i>For Work In Restricted Working Space, Add</i>	10.92	
22 11 16 00-0995 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	73.85	17.89
<i>For Work In Restricted Working Space, Add</i>	13.44	
22 11 16 00-0996 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	114.25	22.80
<i>For Work In Restricted Working Space, Add</i>	17.09	
22 11 16 00-0997 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	190.77	29.88
<i>For Work In Restricted Working Space, Add</i>	22.41	
22 11 16 00-0998 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0884)</small>		
22 11 16 00-0999 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	20.04	4.28
<i>For Work In Restricted Working Space, Add</i>	3.20	
22 11 16 00-1000 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	24.78	5.99
<i>For Work In Restricted Working Space, Add</i>	4.48	
22 11 16 00-1001 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	30.23	8.02
<i>For Work In Restricted Working Space, Add</i>	6.02	
22 11 16 00-1002 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	50.18	10.50
<i>For Work In Restricted Working Space, Add</i>	7.89	
22 11 16 00-1003 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	53.42	11.67
<i>For Work In Restricted Working Space, Add</i>	8.73	
22 11 16 00-1004 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	72.88	12.99
<i>For Work In Restricted Working Space, Add</i>	9.76	
22 11 16 00-1005 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	120.63	14.78
<i>For Work In Restricted Working Space, Add</i>	11.09	
22 11 16 00-1006 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	170.16	17.50
<i>For Work In Restricted Working Space, Add</i>	13.12	
22 11 16 00-1007 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	268.70	21.47
<i>For Work In Restricted Working Space, Add</i>	16.13	
22 11 16 00-1008 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	358.60	27.31
<i>For Work In Restricted Working Space, Add</i>	20.49	
22 11 16 00-1009 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	444.23	35.87
<i>For Work In Restricted Working Space, Add</i>	26.89	
22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0884)</small>		
22 11 16 00-1011 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	6.44	1.17
<i>For Work In Restricted Working Space, Add</i>	0.89	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1012	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	11.16 1.87	2.49
22 11 16 00-1013	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	18.76 3.01	4.05
22 11 16 00-1014	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	20.53 3.29	4.36
22 11 16 00-1015	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	21.88 3.64	4.82
22 11 16 00-1016	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	29.23 4.06	5.45
22 11 16 00-1017	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	43.68 4.62	6.14
22 11 16 00-1018	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	47.13 5.46	7.31
22 11 16 00-1019	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	71.19 6.72	8.95
22 11 16 00-1020	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	149.86 8.54	11.36
22 11 16 00-1021	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	193.21 11.21	14.93
22 11 16 00-1022			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <small>(22 11 16 00-0884)</small>		
22 11 16 00-1023	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	15.47 2.12	2.80
22 11 16 00-1024	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	18.95 2.99	3.97
22 11 16 00-1025	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	23.39 4.01	5.37
22 11 16 00-1026	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	27.88 5.27	7.00
22 11 16 00-1027	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	30.00 5.84	7.78
22 11 16 00-1028	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	35.65 6.49	8.64
22 11 16 00-1029	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	46.54 7.40	9.88
22 11 16 00-1030	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	52.96 8.73	11.67
22 11 16 00-1031	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	66.11 10.76	14.32
22 11 16 00-1032	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	93.14 13.68	18.21
22 11 16 00-1033	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	167.00 17.93	23.89
22 11 19			Domestic Water Piping Specialties <small>(22 11)</small>		
22 11 19 00-0001			Rubber Hose And Clamps <small>(22 11 19)</small>		
22 11 19 00-0002			General Purpose Hose <small>(22 11 19 00-0001)</small> Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF		3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.82	1.69
22 11 19 00-0004	LF		1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.89	1.69
22 11 19 00-0005	LF		5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.05	1.69
22 11 19 00-0006	LF		3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.01	1.69
22 11 19 00-0007	LF		1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.08	2.53
22 11 19 00-0008	LF		1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.35	2.53
22 11 19 00-0009	LF		1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.29	3.37
22 11 19 00-0010			Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>		
22 11 19 00-0011	EA		50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,085.50	203.39
22 11 19 00-0012	EA		50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,530.19	203.39
22 11 19 00-0013			Water Pump Hose <small>(22 11 19 00-0001)</small>		
22 11 19 00-0014	EA		2" Inside Diameter, 20' Rubber Discharge Hose	184.68	51.48
22 11 19 00-0015	EA		2" Inside Diameter, 20' Rubber Intake Hose	191.00	51.48
22 11 19 00-0016			Serrated Shank Nipple <small>(22 11 19 00-0001)</small> Note: For use as medium pressure coupling.		
22 11 19 00-0017	EA		3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple	18.32	4.22
22 11 19 00-0018	EA		1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple	18.23	4.22
22 11 19 00-0019	EA		5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple	18.23	4.22
22 11 19 00-0020	EA		3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple	23.11	5.89
22 11 19 00-0021	EA		1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple	24.30	5.89
22 11 19 00-0022	EA		1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple	45.83	10.96
22 11 19 00-0023	EA		1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple	56.88	13.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0024 Worm-Drive Hose Clamp <small>(22 11 19 00-0001)</small>		
22 11 19 00-0025 EA 3/8" To 1" Diameter Worm Drive Hose Clamp	8.59	2.53
22 11 19 00-0026 EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	9.09	2.53
22 11 19 00-0027 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	9.63	2.53
22 11 19 00-0028 EA 3/4" To 2" Diameter Worm Drive Hose Clamp	10.26	2.53
22 11 19 00-0029 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp	10.98	2.53
22 11 19 00-0030 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	11.86	3.37
22 11 19 00-0031 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp	12.82	3.37
22 11 19 00-0032 Trap Primer And Accessories <small>(22 11 19)</small>		
22 11 19 00-0033 Trap Primer <small>(22 11 19 00-0032)</small>		
22 11 19 00-0034 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	141.88	12.68
22 11 19 00-0035 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	87.94	8.45
22 11 19 00-0036 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	85.53	8.45
22 11 19 00-0037 Trap Primer Distribution Unit <small>(22 11 19 00-0032)</small>		
22 11 19 00-0038 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	87.08	16.90
Note: Can be used for two, three or four drains.		
22 11 19 00-0039 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	93.57	16.90
Note: Can be used for two, three or four drains.		
22 11 19 00-0040 Trap Primer Manifold <small>(22 11 19 00-0032)</small>		
22 11 19 00-0041 EA Two Outlet Manifold	115.73	22.74
22 11 19 00-0042 EA Four Outlet Manifold	169.26	25.87
22 11 19 00-0043 EA Six Outlet Manifold	220.54	27.39
22 11 19 00-0044 EA Eight Outlet Manifold	275.80	32.12
22 11 19 00-0045 Brass, Anti Siphon Vacuum Breakers <small>(22 11 19)</small>		
Note: Watts 288A		
22 11 19 00-0046 EA 1/2" Brass, Anti Siphon Vacuum Breaker	62.81	21.13
22 11 19 00-0047 EA 3/4" Brass, Anti Siphon Vacuum Breaker	71.48	23.66
22 11 19 00-0048 EA 1" Brass, Anti Siphon Vacuum Breaker	128.12	27.05
22 11 19 00-0049 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker	193.80	31.27
22 11 19 00-0050 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker	230.78	34.65
22 11 19 00-0051 EA 2" Brass, Anti Siphon Vacuum Breaker	329.90	42.26
22 11 19 00-0052 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker	816.07	52.82
22 11 19 00-0053 Anti Siphon Pressure Vacuum Breakers <small>(22 11 19)</small>		
Note: Watts 800M4QT		
22 11 19 00-0054 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker	149.85	21.13
22 11 19 00-0055 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker	135.23	23.66
22 11 19 00-0056 EA 1" Anti Siphon Pressure Type Vacuum Breaker	187.33	27.05
22 11 19 00-0057 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker	324.05	31.27
22 11 19 00-0058 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker	393.33	34.65
22 11 19 00-0059 EA 2" Anti Siphon Pressure Type Vacuum Breaker	402.71	42.26
22 11 19 00-0060 Bellows Type Water Hammer Arrestors <small>(22 11 19)</small>		
22 11 19 00-0061 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	129.52	10.11
22 11 19 00-0062 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	246.90	12.23
22 11 19 00-0063 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	357.17	12.23
22 11 19 00-0064 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	858.59	12.23
22 11 19 00-0065 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	966.00	12.23
22 11 19 00-0066 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,181.44	12.23
22 11 19 00-0067 Piston Type Water Hammer Arrestors <small>(22 11 19)</small>		
22 11 19 00-0068 Threaded Piston Type Water Hammer Arrestors <small>(22 11 19 00-0067)</small>		
22 11 19 00-0069 EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	77.81	5.64
22 11 19 00-0070 EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	146.09	6.50
22 11 19 00-0071 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	215.09	7.05
22 11 19 00-0072 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	522.69	9.09
22 11 19 00-0073 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	636.78	11.27

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0074 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	724.14	12.23
22 11 19 00-0075 Escutcheons (22 11 19)		
22 11 19 00-0076 Brass Escutcheons (22 11 19 00-0075)		
22 11 19 00-0077 Shallow Brass Escutcheons (22 11 19 00-0076)		
22 11 19 00-0078 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	10.11	2.11
22 11 19 00-0079 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	10.94	2.11
22 11 19 00-0080 Deep Bell Brass Escutcheons (22 11 19 00-0076)		
22 11 19 00-0081 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	12.02	2.37
22 11 19 00-0082 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	12.04	2.37
22 11 19 00-0083 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0076)		
22 11 19 00-0084 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.50	2.11
22 11 19 00-0085 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.62	2.11
22 11 19 00-0086 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	12.79	2.11
22 11 19 00-0087 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.41	2.11
22 11 19 00-0088 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	13.68	2.54
22 11 19 00-0089 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.28	2.54
22 11 19 00-0090 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.88	2.79
22 11 19 00-0091 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.62	2.96
22 11 19 00-0092 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew	21.87	3.38
22 11 19 00-0093 Plastic Escutcheons (22 11 19 00-0075)		
22 11 19 00-0094 Split-Ring White Plastic Escutcheons (22 11 19 00-0093)		
22 11 19 00-0095 EA 3/8" IPS, Split-Ring White Plastic Escutcheon	4.45	2.11
22 11 19 00-0096 EA 1/2" IPS, Split-Ring White Plastic Escutcheon	4.45	2.11
22 11 19 00-0097 EA 3/4" IPS, Split-Ring White Plastic Escutcheon	4.98	2.36
22 11 19 00-0098 EA 1" IPS, Split-Ring White Plastic Escutcheon	5.42	2.53
22 11 19 00-0099 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon	5.85	2.78
22 11 19 00-0100 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon	6.29	2.95
22 11 19 00-0101 EA 2" IPS, Split-Ring White Plastic Escutcheon	7.17	3.37
22 11 19 00-0102 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon	8.08	3.63
22 11 19 00-0103 EA 3" IPS, Split-Ring White Plastic Escutcheon	8.99	3.80
22 11 19 00-0104 EA 4" IPS, Split-Ring White Plastic Escutcheon	10.32	4.22
22 11 19 00-0105 Chrome Plate Plastic Escutcheons (22 11 19 00-0093)		
22 11 19 00-0106 EA 1/2" IPS, Chrome Plate Plastic Escutcheon	4.86	2.11
22 11 19 00-0107 EA 3/4" IPS, Chrome Plate Plastic Escutcheon	5.33	2.36
22 11 19 00-0108 EA 1" IPS, Chrome Plate Plastic Escutcheon	5.87	2.53
22 11 19 00-0109 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon	6.40	2.78
22 11 19 00-0110 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon	6.83	2.95
22 11 19 00-0111 EA 2" IPS, Chrome Plate Plastic Escutcheon	8.10	3.37
22 11 19 00-0112 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon	9.75	3.63
22 11 19 00-0113 EA 3" IPS, Chrome Plate Plastic Escutcheon	10.22	3.80
22 11 19 00-0114 EA 4" IPS, Chrome Plate Plastic Escutcheon	11.17	4.22
22 11 19 00-0115 Stainless Steel Escutcheons (22 11 19 00-0075)		
22 11 19 00-0116 Shallow Stainless Steel Escutcheons (22 11 19 00-0115)		
22 11 19 00-0117 EA 3/8" IPS, Shallow Stainless Steel Escutcheon	10.77	2.11
22 11 19 00-0118 EA 1/2" IPS, Shallow Stainless Steel Escutcheon	10.77	2.11
22 11 19 00-0119 EA 3/4" IPS, Shallow Stainless Steel Escutcheon	14.76	2.37
22 11 19 00-0120 Chrome Plated Steel Escutcheons (22 11 19 00-0075)		
22 11 19 00-0121 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0120)		
22 11 19 00-0122 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.57	2.11
22 11 19 00-0123 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.99	2.36
22 11 19 00-0124 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.48	2.53
22 11 19 00-0125 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.89	2.78
22 11 19 00-0126 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.31	2.95
22 11 19 00-0127 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.26	3.37
22 11 19 00-0128 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.06	3.63
22 11 19 00-0129 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.67	3.80
22 11 19 00-0130 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.75	4.05
22 11 19 00-0131 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.68	4.22
22 11 19 00-0132 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon	14.60	4.64
22 11 19 00-0133 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.82	5.06



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0134				Split-Ring/Springs Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.56	2.11
			EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.56	2.11
			EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.06	2.36
			EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.72	2.53
			EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.40	2.78
			EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.92	2.95
			EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.51	3.37
			EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.92	3.63
			EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	14.21	3.80
			EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.07	4.05
			EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.41	4.22
			EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	27.38	4.64
			EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	28.71	5.06
22 11 19 00-0148				Deep Bell Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.48	2.37
			EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.42	2.37
			EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.30	2.37
			EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.81	2.54
			EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.31	2.79
			EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.90	2.96
22 11 19 00-0155				Shallow Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.07	2.11
			EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.07	2.11
			EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.12	2.11
			EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.46	2.54
			EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.92	2.79
			EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.51	2.96
			EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.39	3.38
22 11 19 00-0163				Wall Hydrants <small>(22 11 19)</small>		
				Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0164				Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0163)</small>		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
			EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	467.99	21.13
				<i>For Cast Bronze Box, Add</i>	23.04	
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	495.65	25.35
				<i>For Cast Bronze Box, Add</i>	23.04	
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	512.96	30.51
				<i>For Cast Bronze Box, Add</i>	23.04	
				<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0168				Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0163)</small>		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
			EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	487.36	35.50
				<i>For Cast Bronze Box, Add</i>	23.04	
				<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0170				Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0163)</small>		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
			EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	269.98	26.20
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	328.33	26.20
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	328.33	26.20
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	328.33	26.20
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	341.90	52.82
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	341.90	52.82
				<i>For 1" NPT Outlet, Add</i>	54.31	
			EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	382.52	52.82
				<i>For 1" NPT Outlet, Add</i>	54.31	
22 11 19 00-0178				Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0163)</small>		
				Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
			EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	241.60	21.13
			EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	261.96	21.13

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0181 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	264.73	21.13
22 11 19 00-0182 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	295.27	21.13
22 11 19 00-0183 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)	412.04	29.58
Note: Includes hot and cold hose connections.		
22 11 19 00-0184 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)	424.07	29.58
Note: Includes hot and cold hose connections.		
22 11 19 00-0185 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)	424.07	29.58
Note: Includes hot and cold hose connections.		
22 11 19 00-0186 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)	452.75	29.58
Note: Includes hot and cold hose connections.		
22 11 19 00-0187 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0188 Dryer Vent Kit (22 11 19 00-0187)		
Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0189 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	59.42	10.99
22 11 19 00-0190 Washer Boxes And Dryer Vents (22 11 19 00-0187)		
Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0191 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	194.11	16.90
22 11 19 00-0192 Ice Maker Outlet Box (22 11 19)		
Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0193 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	105.67	16.90
22 11 19 00-0194 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	130.47	16.90
22 11 19 00-0195 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	144.13	16.90
22 11 19 00-0196 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0197 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0196)		
Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0198 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	261.19	20.46
22 11 19 00-0199 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	135.68	20.46
22 11 19 00-0200 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	145.65	20.46
22 11 19 00-0201 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	224.80	27.56
22 11 19 00-0202 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0196)		
Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0203 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	635.88	29.51
22 11 19 00-0204 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	716.87	36.35
22 11 19 00-0205 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	860.07	42.28
22 11 19 00-0206 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,107.92	44.44
22 11 19 00-0207 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	1,485.95	57.65
22 11 19 00-0208 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0196)		
Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0209 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	1,562.48	45.44
22 11 19 00-0210 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	2,024.03	52.84
22 11 19 00-0211 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	2,356.04	55.54
22 11 19 00-0212 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	2,618.07	72.05
22 11 19 00-0213 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0196)		
Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0214 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	587.03	29.51
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0215 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	691.74	36.34
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0216 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	849.26	42.28
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0217 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,035.64	44.45
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0218 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	1,535.47	57.65
Note: For hot water or two pipe low pressure steam.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0219 Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0196)</small>		
<i>Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.</i>		
22 11 19 00-0220 EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,265.48	42.26
22 11 19 00-0221 EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,355.76	53.25
22 11 19 00-0222 EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,504.12	64.24
22 11 19 00-0223 EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,664.93	75.22
22 11 19 00-0224 EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,960.34	98.89
22 11 19 00-0225 EA 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,284.98	112.73
22 11 19 00-0226 Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0227 Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0226)</small>		
22 11 19 00-0228 Threaded Double Check Valve Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0229 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0228)</small>		
<i>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).</i>		
22 11 19 00-0230 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	234.51	22.65
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0231 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	281.10	32.12
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0232 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	325.89	39.21
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0233 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	448.83	45.64
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0234 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	552.22	52.40
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0235 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	642.24	67.62
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0236 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0228)</small>		
<i>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).</i>		
22 11 19 00-0237 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	285.41	22.65
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0238 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	355.65	32.12
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0239 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	417.28	39.21
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0240 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	579.05	45.64
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0241 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	705.61	52.40
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0242 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	853.99	67.62
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0243 Flanged Double Check Valve Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0244 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0243)</small>		
<i>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).</i>		
22 11 19 00-0245 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS)	1,687.07	186.73
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		
22 11 19 00-0246 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS)	1,855.68	210.07
<i>For Work In Restricted Working Space, Add</i>		
<i>For Owner Furnished Material, Deduct</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0247 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0248 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	1,833.25	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-1,584.28	
22 11 19 00-0249 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	2,099.48	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-1,823.28	
22 11 19 00-0250 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0251 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,078.25	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-1,829.30	
22 11 19 00-0252 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,285.15	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-2,008.94	
22 11 19 00-0253 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	2,638.04	311.21
For Work In Restricted Working Space, Add	124.42	
For Owner Furnished Material, Deduct	-2,223.32	
22 11 19 00-0254 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	4,423.17	469.38
For Work In Restricted Working Space, Add	254.37	
For Owner Furnished Material, Deduct	-3,575.26	
22 11 19 00-0255 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	8,440.28	704.06
For Work In Restricted Working Space, Add	381.62	
For Owner Furnished Material, Deduct	-7,168.21	
22 11 19 00-0256 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series)	11,054.14	832.76
For Work In Restricted Working Space, Add	454.24	
For Owner Furnished Material, Deduct	-9,540.02	
22 11 19 00-0257 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0258 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	2,280.54	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-2,031.59	
22 11 19 00-0259 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	2,527.17	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-2,250.97	
22 11 19 00-0260 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	3,176.17	311.21
For Work In Restricted Working Space, Add	124.41	
For Owner Furnished Material, Deduct	-2,761.48	
22 11 19 00-0261 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	5,444.29	469.38
For Work In Restricted Working Space, Add	254.37	
For Owner Furnished Material, Deduct	-4,596.38	
22 11 19 00-0262 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	10,160.37	704.06
For Work In Restricted Working Space, Add	381.56	
For Owner Furnished Material, Deduct	-8,888.50	
22 11 19 00-0263 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series)	11,054.14	832.76
For Work In Restricted Working Space, Add	454.24	
For Owner Furnished Material, Deduct	-9,540.02	
22 11 19 00-0264 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0265 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,205.38	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-1,956.43	
22 11 19 00-0266 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,516.35	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-2,240.15	
22 11 19 00-0267 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	2,907.44	311.21
For Work In Restricted Working Space, Add	124.41	
For Owner Furnished Material, Deduct	-2,492.75	
22 11 19 00-0268 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	4,745.63	469.38
For Work In Restricted Working Space, Add	254.37	
For Owner Furnished Material, Deduct	-3,897.72	
22 11 19 00-0269 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	8,978.07	704.06
For Work In Restricted Working Space, Add	381.56	
For Owner Furnished Material, Deduct	-7,706.20	
22 11 19 00-0270 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series)	12,129.03	832.76
For Work In Restricted Working Space, Add	454.24	
For Owner Furnished Material, Deduct	-10,614.91	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0271				Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0272	EA			2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	1,901.96	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-1,653.01	
22 11 19 00-0273	EA			3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,094.61	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-1,818.41	
22 11 19 00-0274	EA			4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,398.50	311.21
				<i>For Work In Restricted Working Space, Add</i>	124.41	
				<i>For Owner Furnished Material, Deduct</i>	-1,983.81	
22 11 19 00-0275	EA			6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	3,949.87	469.38
				<i>For Work In Restricted Working Space, Add</i>	254.37	
				<i>For Owner Furnished Material, Deduct</i>	-3,101.96	
22 11 19 00-0276	EA			8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,404.71	704.06
				<i>For Work In Restricted Working Space, Add</i>	381.56	
				<i>For Owner Furnished Material, Deduct</i>	-6,132.84	
22 11 19 00-0277	EA			10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	8,076.69	832.76
				<i>For Work In Restricted Working Space, Add</i>	454.24	
				<i>For Owner Furnished Material, Deduct</i>	-6,562.57	
22 11 19 00-0278				N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0279	EA			2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,488.49	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-2,239.54	
22 11 19 00-0280	EA			3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,681.14	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-2,404.94	
22 11 19 00-0281	EA			4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	3,378.60	311.21
				<i>For Work In Restricted Working Space, Add</i>	124.41	
				<i>For Owner Furnished Material, Deduct</i>	-2,963.91	
22 11 19 00-0282	EA			6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	5,590.61	469.38
				<i>For Work In Restricted Working Space, Add</i>	254.37	
				<i>For Owner Furnished Material, Deduct</i>	-4,742.70	
22 11 19 00-0283	EA			8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	9,836.45	704.06
				<i>For Work In Restricted Working Space, Add</i>	381.56	
				<i>For Owner Furnished Material, Deduct</i>	-8,564.58	
22 11 19 00-0284	EA			10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	11,705.46	832.76
				<i>For Work In Restricted Working Space, Add</i>	454.24	
				<i>For Owner Furnished Material, Deduct</i>	-10,191.34	
22 11 19 00-0285				Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0286	EA			2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	1,785.31	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-1,536.36	
22 11 19 00-0287	EA			3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,983.26	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-1,707.06	
22 11 19 00-0288	EA			4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,292.38	311.21
				<i>For Work In Restricted Working Space, Add</i>	124.41	
				<i>For Owner Furnished Material, Deduct</i>	-1,877.69	
22 11 19 00-0289	EA			6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	3,866.51	469.38
				<i>For Work In Restricted Working Space, Add</i>	254.37	
				<i>For Owner Furnished Material, Deduct</i>	-3,018.60	
22 11 19 00-0290	EA			8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	7,324.38	704.06
				<i>For Work In Restricted Working Space, Add</i>	381.56	
				<i>For Owner Furnished Material, Deduct</i>	-6,052.51	
22 11 19 00-0291	EA			10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,301.00	832.76
				<i>For Work In Restricted Working Space, Add</i>	454.24	
				<i>For Owner Furnished Material, Deduct</i>	-6,786.88	
22 11 19 00-0292				N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0293 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,322.65	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-2,073.70	
22 11 19 00-0294 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,515.30	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-2,239.10	
22 11 19 00-0295 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,212.97	311.21
For Work In Restricted Working Space, Add	124.41	
For Owner Furnished Material, Deduct	-2,798.28	
22 11 19 00-0296 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,414.19	469.38
For Work In Restricted Working Space, Add	254.37	
For Owner Furnished Material, Deduct	-4,566.28	
22 11 19 00-0297 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	9,569.42	704.06
For Work In Restricted Working Space, Add	381.56	
For Owner Furnished Material, Deduct	-8,297.55	
22 11 19 00-0298 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,437.65	832.76
For Work In Restricted Working Space, Add	454.24	
For Owner Furnished Material, Deduct	-9,923.53	
22 11 19 00-0299 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0243)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0300 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,061.21	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-1,812.26	
22 11 19 00-0301 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,253.85	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-1,977.65	
22 11 19 00-0302 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,557.74	311.21
For Work In Restricted Working Space, Add	124.41	
For Owner Furnished Material, Deduct	-2,143.05	
22 11 19 00-0303 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,113.13	469.38
For Work In Restricted Working Space, Add	254.37	
For Owner Furnished Material, Deduct	-3,265.22	
22 11 19 00-0304 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	7,567.96	704.06
For Work In Restricted Working Space, Add	381.56	
For Owner Furnished Material, Deduct	-6,296.09	
22 11 19 00-0305 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0243)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0306 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,647.73	186.73
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-2,398.78	
22 11 19 00-0307 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,840.38	210.07
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-2,564.18	
22 11 19 00-0308 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,537.84	311.21
For Work In Restricted Working Space, Add	124.41	
For Owner Furnished Material, Deduct	-3,123.15	
22 11 19 00-0309 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,753.90	469.38
For Work In Restricted Working Space, Add	254.37	
For Owner Furnished Material, Deduct	-4,905.99	
22 11 19 00-0310 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,567.96	704.06
For Work In Restricted Working Space, Add	381.56	
For Owner Furnished Material, Deduct	-6,296.09	
22 11 19 00-0311 Grooved Double Check Valve Assemblies (22 11 19 00-0227)		
22 11 19 00-0312 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0311)		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0313 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,785.31	99.59
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-1,536.36	
22 11 19 00-0314 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,983.26	110.48
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-1,707.06	
22 11 19 00-0315 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0311)		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0316 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	2,322.65	99.59
For Work In Restricted Working Space, Add	74.69	
For Owner Furnished Material, Deduct	-2,073.70	
22 11 19 00-0317 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	2,515.30	110.48
For Work In Restricted Working Space, Add	82.86	
For Owner Furnished Material, Deduct	-2,239.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0318			Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0226)</small>		
22 11 19 00-0319			Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0318)</small>		
22 11 19 00-0320			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0321	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....255.91 <i>For Work In Restricted Working Space, Add</i> 14.71 <i>For Owner Furnished Material, Deduct</i> -206.89		19.61
22 11 19 00-0322	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....271.03 <i>For Work In Restricted Working Space, Add</i> 16.23 <i>For Owner Furnished Material, Deduct</i> -216.94		21.64
22 11 19 00-0323	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....313.61 <i>For Work In Restricted Working Space, Add</i> 16.99 <i>For Owner Furnished Material, Deduct</i> -256.98		22.65
22 11 19 00-0324	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....422.54 <i>For Work In Restricted Working Space, Add</i> 24.09 <i>For Owner Furnished Material, Deduct</i> -342.25		32.12
22 11 19 00-0325	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....502.24 <i>For Work In Restricted Working Space, Add</i> 29.42 <i>For Owner Furnished Material, Deduct</i> -404.19		39.21
22 11 19 00-0326	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....748.15 <i>For Work In Restricted Working Space, Add</i> 34.23 <i>For Owner Furnished Material, Deduct</i> -634.05		45.64
22 11 19 00-0327	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....794.03 <i>For Work In Restricted Working Space, Add</i> 39.05 <i>For Owner Furnished Material, Deduct</i> -663.87		52.40
22 11 19 00-0328	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....956.83 <i>For Work In Restricted Working Space, Add</i> 50.71 <i>For Owner Furnished Material, Deduct</i> -787.79		67.62
22 11 19 00-0329			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0330	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....280.96 <i>For Work In Restricted Working Space, Add</i> 14.71 <i>For Owner Furnished Material, Deduct</i> -231.94		19.61
22 11 19 00-0331	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....297.42 <i>For Work In Restricted Working Space, Add</i> 16.23 <i>For Owner Furnished Material, Deduct</i> -243.33		21.64
22 11 19 00-0332	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....349.78 <i>For Work In Restricted Working Space, Add</i> 16.99 <i>For Owner Furnished Material, Deduct</i> -293.15		32.12
22 11 19 00-0333	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....479.39 <i>For Work In Restricted Working Space, Add</i> 24.09 <i>For Owner Furnished Material, Deduct</i> -399.10		32.12
22 11 19 00-0334	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....573.32 <i>For Work In Restricted Working Space, Add</i> 29.42 <i>For Owner Furnished Material, Deduct</i> -475.27		39.21
22 11 19 00-0335	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....845.09 <i>For Work In Restricted Working Space, Add</i> 34.23 <i>For Owner Furnished Material, Deduct</i> -730.99		45.64
22 11 19 00-0336	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....930.83 <i>For Work In Restricted Working Space, Add</i> 39.05 <i>For Owner Furnished Material, Deduct</i> -800.67		52.40
22 11 19 00-0337	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series) .....1,124.67 <i>For Work In Restricted Working Space, Add</i> 50.71 <i>For Owner Furnished Material, Deduct</i> -955.63		67.62
22 11 19 00-0338			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0339	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....422.54 <i>For Work In Restricted Working Space, Add</i> 24.09 <i>For Owner Furnished Material, Deduct</i> -342.25		32.12
22 11 19 00-0340	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....502.24 <i>For Work In Restricted Working Space, Add</i> 29.42 <i>For Owner Furnished Material, Deduct</i> -404.19		39.21
22 11 19 00-0341	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....748.15 <i>For Work In Restricted Working Space, Add</i> 34.23 <i>For Owner Furnished Material, Deduct</i> -634.05		45.64

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0342	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	794.02 39.05 -663.87	52.40
22 11 19 00-0343	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	956.83 50.71 -787.79	67.62
22 11 19 00-0344			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0345	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	479.39 24.09 -399.10	32.12
22 11 19 00-0346	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	573.32 29.42 -475.27	39.21
22 11 19 00-0347	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	845.09 34.23 -730.99	45.64
22 11 19 00-0348	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	930.83 39.05 -800.67	52.40
22 11 19 00-0349	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,124.67 50.71 -955.63	67.62
22 11 19 00-0350			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0351	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	619.25 24.09 -538.96	32.12
22 11 19 00-0352	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	734.13 29.42 -636.08	39.21
22 11 19 00-0353	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,112.43 34.23 -998.33	45.64
22 11 19 00-0354	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,206.69 39.05 -1,076.53	52.40
22 11 19 00-0355	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,408.86 50.71 -1,239.82	67.62
22 11 19 00-0356			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0357	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	695.83 24.09 -615.54	32.12
22 11 19 00-0358	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	829.13 29.42 -731.08	39.21
22 11 19 00-0359	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,244.37 34.23 -1,130.27	45.64
22 11 19 00-0360	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,362.55 39.05 -1,232.39	52.40
22 11 19 00-0361	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,628.05 50.71 -1,459.01	67.62
22 11 19 00-0362			Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0318)</small>		
22 11 19 00-0363			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0364	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series).....	2,008.92	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-1,759.95	
22 11 19 00-0365	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series).....	2,261.30	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-1,985.10	
22 11 19 00-0366				Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer		
				<small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0367	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series).....	2,229.48	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-1,980.51	
22 11 19 00-0368	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series).....	2,520.43	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-2,244.23	
22 11 19 00-0369				Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs		
				<small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0370	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series).....	2,146.70	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-1,897.73	
22 11 19 00-0371	EA			3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series).....	2,491.08	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-2,214.88	
22 11 19 00-0372				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs		
				<small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0373	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series).....	2,520.11	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-2,271.14	
22 11 19 00-0374	EA			3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series).....	2,879.42	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-2,603.22	
22 11 19 00-0375				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs		
				<small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0376	EA			1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series).....	967.69	116.70
				<i>For Work In Restricted Working Space, Add</i>	46.68	
				<i>For Owner Furnished Material, Deduct</i>	-812.09	
22 11 19 00-0377	EA			1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series).....	1,075.30	136.16
				<i>For Work In Restricted Working Space, Add</i>	54.85	
				<i>For Owner Furnished Material, Deduct</i>	-892.46	
22 11 19 00-0378	EA			2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series).....	1,272.49	159.50
				<i>For Work In Restricted Working Space, Add</i>	64.19	
				<i>For Owner Furnished Material, Deduct</i>	-1,058.53	
22 11 19 00-0379				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer		
				<small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0380	EA			1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,050.13	116.70
				<i>For Work In Restricted Working Space, Add</i>	46.68	
				<i>For Owner Furnished Material, Deduct</i>	-894.53	
22 11 19 00-0381	EA			1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,340.41	136.16
				<i>For Work In Restricted Working Space, Add</i>	54.85	
				<i>For Owner Furnished Material, Deduct</i>	-1,157.57	
22 11 19 00-0382	EA			2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series).....	1,415.61	159.50
				<i>For Work In Restricted Working Space, Add</i>	64.19	
				<i>For Owner Furnished Material, Deduct</i>	-1,201.65	
22 11 19 00-0383				Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs		
				<small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0384	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,499.13	186.73
				<i>For Work In Restricted Working Space, Add</i>	74.69	
				<i>For Owner Furnished Material, Deduct</i>	-2,250.18	
22 11 19 00-0385	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,817.16	210.07
				<i>For Work In Restricted Working Space, Add</i>	82.86	
				<i>For Owner Furnished Material, Deduct</i>	-2,540.95	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0386	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,501.31 124.42 -3,086.59	311.21
22 11 19 00-0387	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,102.11 356.14 -4,914.97	469.38
22 11 19 00-0388	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,388.36 534.22 -8,607.64	704.06
22 11 19 00-0389	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,954.45 454.24 -11,440.33	832.76
22 11 19 00-0390			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0391	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,701.94 74.69 -2,452.99	186.73
22 11 19 00-0392	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,056.14 82.86 -2,779.94	210.07
22 11 19 00-0393	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,962.03 124.41 -3,547.34	311.21
22 11 19 00-0394	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,638.56 254.37 -5,790.65	469.38
22 11 19 00-0395	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,353.21 381.56 -10,081.34	704.06
22 11 19 00-0396	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,487.74 454.24 -13,973.62	832.76
22 11 19 00-0397			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0398	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,582.67 74.69 -2,333.72	186.73
22 11 19 00-0399	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,991.53 82.86 -2,715.32	210.07
22 11 19 00-0400	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,600.25 124.42 -3,185.53	311.21
22 11 19 00-0401	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,917.97 254.37 -5,070.06	469.38
22 11 19 00-0402	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,125.71 381.56 -8,853.84	704.06
22 11 19 00-0403	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,220.11 454.24 -12,705.99	832.76
22 11 19 00-0404			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0405	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,182.78 74.69 -3,933.81	186.73
22 11 19 00-0406	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,718.31 82.86 -4,442.11	210.07
22 11 19 00-0407			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		
22 11 19 00-0408	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,371.24 74.69 -4,122.27	186.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0409 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,072.57 82.86 -4,796.37	210.07
22 11 19 00-0410 Double Check Detector Assemblies (22 11 19 00-0226)		
22 11 19 00-0411 Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0410)		
22 11 19 00-0412 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0411) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0413 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,693.00 82.86 -3,416.80	210.07
22 11 19 00-0414 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,910.77 124.41 -3,496.08	311.21
22 11 19 00-0415 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,387.70 254.37 -4,539.79	469.38
22 11 19 00-0416 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,477.80 381.56 -8,205.93	704.06
22 11 19 00-0417 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,728.85 454.24 -11,214.73	832.76
22 11 19 00-0418 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0411) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0419 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,780.26 74.69 -2,531.29	186.73
22 11 19 00-0420 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,972.71 82.86 -2,696.51	210.07
22 11 19 00-0421 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,280.51 124.41 -2,865.82	311.21
22 11 19 00-0422 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,569.15 254.37 -3,721.24	469.38
22 11 19 00-0423 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,998.34 381.56 -6,726.47	704.06
22 11 19 00-0424 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,437.01 454.24 -7,922.89	832.76
22 11 19 00-0425 Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0411) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0426 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,939.53 74.69 -2,690.56	186.73
22 11 19 00-0427 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,131.99 82.86 -2,855.79	210.07
22 11 19 00-0428 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,439.75 124.41 -3,025.06	311.21
22 11 19 00-0429 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,732.40 254.37 -3,884.49	469.38
22 11 19 00-0430 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,802.47 381.56 -6,530.60	704.06



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0431	Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0410)			
22 11 19 00-0432	Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0431)			
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).			
22 11 19 00-0433	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,729.97	186.73
		<i>For Work In Restricted Working Space, Add</i>	74.69	
22 11 19 00-0434	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,922.45	210.07
		<i>For Work In Restricted Working Space, Add</i>	82.86	
22 11 19 00-0435	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,230.24	311.21
		<i>For Work In Restricted Working Space, Add</i>	124.41	
22 11 19 00-0436	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,518.88	469.38
		<i>For Work In Restricted Working Space, Add</i>	254.37	
22 11 19 00-0437	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,948.11	704.06
		<i>For Work In Restricted Working Space, Add</i>	381.56	
22 11 19 00-0438	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,386.70	832.76
		<i>For Work In Restricted Working Space, Add</i>	454.24	
22 11 19 00-0439	Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0431)			
	Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).			
22 11 19 00-0440	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	2,889.23	186.73
		<i>For Work In Restricted Working Space, Add</i>	74.69	
22 11 19 00-0441	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,081.69	210.07
		<i>For Work In Restricted Working Space, Add</i>	82.86	
22 11 19 00-0442	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,389.48	311.21
		<i>For Work In Restricted Working Space, Add</i>	124.41	
22 11 19 00-0443	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,682.10	469.38
		<i>For Work In Restricted Working Space, Add</i>	254.37	
22 11 19 00-0444	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	8,111.36	704.06
		<i>For Work In Restricted Working Space, Add</i>	381.56	
22 11 19 00-0445	Backflow Preventer Accessories (22 11 19 00-0226)			
22 11 19 00-0446	Air Gap (22 11 19 00-0445)			
22 11 19 00-0447	EA	Up To 1" Diameter Air Gap For Backflow Preventer	68.47	10.57
22 11 19 00-0448	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	84.04	12.68
22 11 19 00-0449	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	153.27	16.90
22 11 19 00-0450	EA	4" To 6" Diameter Air Gap For Backflow Preventer	300.63	29.58
22 11 19 00-0451	EA	8" To 10" Diameter Air Gap For Backflow Preventer	325.99	42.26
22 11 19 00-0452	Brass Test Cocks (22 11 19 00-0445)			
22 11 19 00-0453	EA	1/8" Or 1/4" Brass Test Cock	22.50	4.23
22 11 19 00-0454	Backflow Valve Enclosures (22 11 19 00-0226)			
22 11 19 00-0455	Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0454)			
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.			
22 11 19 00-0456	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	620.65	76.06
		<i>For Heated Enclosure, Add</i>	74.08	
22 11 19 00-0457	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	758.84	76.06
		<i>For Heated Enclosure, Add</i>	94.81	
22 11 19 00-0458	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	955.44	70.03
		<i>For Heated Enclosure, Add</i>	125.81	
22 11 19 00-0459	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	997.95	93.36
		<i>For Heated Enclosure, Add</i>	126.35	
22 11 19 00-0460	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,044.81	93.36
		<i>For Heated Enclosure, Add</i>	133.38	
22 11 19 00-0461	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,227.46	93.36
		<i>For Heated Enclosure, Add</i>	160.78	
22 11 19 00-0462	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,232.27	93.36
		<i>For Heated Enclosure, Add</i>	161.50	
22 11 19 00-0463	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,543.49	93.36
		<i>For Heated Enclosure, Add</i>	208.18	
22 11 19 00-0464	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,536.72	140.04
		<i>For Heated Enclosure, Add</i>	495.50	
22 11 19 00-0465	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,107.26	140.04
		<i>For Heated Enclosure, Add</i>	731.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0466	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	4,854.92 693.23	140.04
22 11 19 00-0467	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	5,844.31 835.80	163.38
22 11 19 00-0468 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0454)</small>					
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.					
22 11 19 00-0469	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	334.22 60.08	20.28
22 11 19 00-0470	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	461.59 85.56	20.28
22 11 19 00-0471	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	576.66 109.11	18.67
22 11 19 00-0472	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	867.46 167.27	18.67
22 11 19 00-0473	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,240.54 436.44	35.01
22 11 19 00-0474	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,054.05 599.14	35.01
22 11 19 00-0475	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,038.66 396.06	35.01
22 11 19 00-0476	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,305.43 449.41	35.01
22 11 19 00-0477	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,599.59 708.25	35.01
22 11 19 00-0478 Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0454)</small>					
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.					
22 11 19 00-0479	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,593.88 651.05 413.60 740.13	152.14
22 11 19 00-0480	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,058.92 720.80 413.60 740.13	152.14
22 11 19 00-0481	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	3,593.20 503.97 413.60 740.13	140.04
22 11 19 00-0482	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	3,936.86 555.52 413.60 740.13	140.04
22 11 19 00-0483	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,587.85 641.50 413.60 740.13	186.73
22 11 19 00-0484	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,138.20 724.05 413.60 740.13	186.73
22 11 19 00-0485	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,138.20 724.05 413.60 740.13	186.73
22 11 19 00-0486	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,671.73 804.08 413.60 740.13	186.73
22 11 19 00-0487	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,265.36 598.96 413.60 740.13	163.38
22 11 19 00-0488	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,992.80 702.24 413.60 740.13	186.73
22 11 19 00-0489	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,825.54 827.15 413.60 740.13	186.73
22 11 19 00-0490	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,392.93 909.34 413.60 740.13	198.40
22 11 19 00-0491	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,559.67 930.07 413.60 740.13	215.53

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0492	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,268.14 1,033.17 413.60 740.13	228.20
22 11 19 00-0493	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,513.09 1,074.45 413.60 740.13	210.07
22 11 19 00-0494	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,465.04 773.07 413.60 740.13	186.73
22 11 19 00-0495	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,821.93 826.61 413.60 740.13	186.73
22 11 19 00-0496	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,583.99 938.00 413.60 740.13	198.40
22 11 19 00-0497	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,970.91 1,143.12 413.60 740.13	210.07
22 11 19 00-0498	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,962.73 991.89 413.60 740.13	93.36
22 11 19 00-0499	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,358.06 1,198.28 413.60 740.13	93.36
22 11 19 00-0500	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,082.89 1,157.00 413.60 740.13	140.04
22 11 19 00-0501	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,375.10 1,345.00 413.60 740.13	140.04
22 11 19 00-0502	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,652.69 1,239.55 413.60 740.13	140.04
22 11 19 00-0503	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,108.32 1,452.06 413.60 740.13	163.38
22 11 19 00-0504	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,147.22 1,452.06 413.60 740.13	140.04
22 11 19 00-0505	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,030.64 1,728.74 413.60 740.13	140.04
22 11 19 00-0506			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0507			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0506)</small>		
22 11 19 00-0508	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	40.93	8.45
22 11 19 00-0509	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	48.00	9.30
22 11 19 00-0510	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	14.22	6.34
22 11 19 00-0511			Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0506)</small>		
22 11 19 00-0512	EA		3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	100.95	25.87
22 11 19 00-0513			Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0506)</small>		
22 11 19 00-0514	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	98.88	21.13
22 11 19 00-0515	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	107.26	23.41
22 11 19 00-0516	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	113.52	24.76
22 11 19 00-0517	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	119.78	26.54
22 11 19 00-0518	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	126.11	28.14
22 11 19 00-0519			Keyed, Recessed Valve Boxes <small>(22 11 19)</small>		
22 11 19 00-0520	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	198.32	25.28
22 11 19 00-0521	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	219.43	25.28
22 11 19 00-0522	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	251.09	25.28
22 11 19 00-0523	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	246.83	33.71
22 11 19 00-0524	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	278.50	33.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0525	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	288.00	33.71
22 11 19 00-0526	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	232.10	25.28
22 11 19 00-0527	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	278.54	25.28
22 11 19 00-0528	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	319.70	25.28
22 11 19 00-0529	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	305.94	33.71
22 11 19 00-0530	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	347.11	33.71
22 11 19 00-0531	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	362.94	33.71

22 11 23 Domestic Water Pumps (22 11)

22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks (22 11 23)

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,039.12	248.97
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,366.31	334.55
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,750.11	420.13
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	9,105.61	505.71
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	10,083.88	591.30
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	11,203.69	676.88
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	11,983.81	762.47

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	21,685.83	1,008.24
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	26,102.30	1,071.26
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	30,536.84	1,134.27

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	28,515.56	1,071.26
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	35,479.06	1,134.27
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	44,079.89	1,260.31
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	55,818.30	1,386.34
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	67,556.72	1,512.37
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	78,694.72	1,701.42
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	89,832.73	1,890.46
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	100,970.74	2,079.50
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	112,266.28	2,331.56

22 11 23 39 In-Line Centrifugal Domestic Water Booster Pumps (22 11 23)

22 11 23 39-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)

Note: ODP motor.

22 11 23 39-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	610.14	140.04
22 11 23 39-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	623.89	140.04
22 11 23 39-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	650.59	142.77
22 11 23 39-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	711.38	148.60
22 11 23 39-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,203.31	154.13
22 11 23 39-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,277.02	154.13
22 11 23 39-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	1,869.82	169.70
22 11 23 39-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	1,955.89	186.43
22 11 23 39-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,354.84	205.12
22 11 23 39-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,417.10	225.74
22 11 23 39-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,644.02	247.93
22 11 23 39-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	3,736.30	272.84
22 11 23 39-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,286.11	286.07

22 11 23 39-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)

Note: ODP motor.

22 11 23 39-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	615.14	140.04
22 11 23 39-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	962.40	140.04
22 11 23 39-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	968.03	142.77
22 11 23 39-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	985.41	145.88
22 11 23 39-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	990.84	148.60
22 11 23 39-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,011.45	154.13
22 11 23 39-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,222.81	169.70
22 11 23 39-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	1,568.25	205.12
22 11 23 39-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	1,658.65	225.74
22 11 23 39-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	1,925.55	247.93
22 11 23 39-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,554.34	272.84
22 11 23 39-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	2,964.30	286.07
22 11 23 39-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	2,795.99	300.47
22 11 23 39-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,010.37	330.28
22 11 23 39-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,307.33	350.29
22 11 23 39-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,145.17	389.21
22 11 23 39-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,431.37	467.13
22 11 23 39-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	5,620.33	545.13



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	20,344.08	7,122.35
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	21,897.69	7,122.35
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	37,173.44	10,991.31
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	48,053.41	14,244.71

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	22,645.72	7,122.35
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	28,054.60	7,122.35
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	42,454.31	10,991.31
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	58,212.72	14,244.71

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	1,814.50	311.21
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,247.97	389.01
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,144.17	427.91
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	4,582.88	466.81
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	9,096.37	505.71
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	7,839.89	544.61
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	13,451.99	583.51
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	12,397.88	622.42
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	13,468.19	661.32
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	16,045.70	700.22

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,553.54	311.21
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	2,982.97	389.01
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	3,729.14	427.91
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,608.57	466.81
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	3,915.17	466.81
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	6,051.37	505.71
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	6,549.18	544.61
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	6,234.18	544.61
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	5,689.28	544.61
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	7,781.99	583.51
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	8,441.82	622.42
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	9,799.88	661.32
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	18,378.89	700.22

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	421.50	175.06
		<i>For Saddle Assembly, Add</i>	462.20	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	493.40	204.23
		<i>For Saddle Assembly, Add</i>	462.20	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	581.80	233.41
		<i>For Saddle Assembly, Add</i>	518.30	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	699.90	262.58
		<i>For Saddle Assembly, Add</i>	737.20	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	830.10	291.76
		<i>For Two Tie Down Bands, Add</i>	272.18	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,063.15	384.12
		<i>For Two Tie Down Bands, Add</i>	287.58	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,541.50	448.14
		<i>For Three Tie Down Bands, Add</i>	480.88	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,173.37	512.16
		<i>For Three Tie Down Bands, Add</i>	484.18	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,688.83	576.18
		<i>For Four Tie Down Bands, Add</i>	654.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	3,136.59 878.77	640.20
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	4,403.94 1,125.17	704.22
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	5,083.31 1,208.77	768.24
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	7,271.74 1,353.97	1,024.32
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Five Tie Down Bands, Add</i>	9,293.44 2,093.95	1,024.32
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)		
22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	477.30	233.41
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	561.65	247.99
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	613.00	262.58
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	732.20	291.76
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	841.90	350.11
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	992.30	408.46
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,347.27	512.16
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,735.79	640.20
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,298.11	768.24
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,963.83	896.27
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,248.84	1,024.32
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,663.67	1,152.36
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,410.78	1,280.39
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,063.31	1,408.43
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,105.22	1,536.48
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,128.45	1,664.51
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,196.66	1,792.55
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,430.10	2,048.63

22 13 Facility Sanitary Sewerage (22 10)

22 13 16 Sanitary Waste And Vent Piping (22 13)

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	21.73 3.59	4.90
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	30.85 4.88	7.39
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	39.99 6.27	9.42
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	46.74 6.65	11.81
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	54.55 7.38	12.87
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	85.26 10.31	18.22
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	122.38 11.68	18.22

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	18.25 3.90	4.67
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	19.43 4.20	4.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	25.34 5.39	7.24
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	31.29 6.65	9.42
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	51.62 11.06	11.58
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	56.72 11.82	12.65
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	91.84 18.81	18.07
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	93.50 13.70	20.53
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.21 3.28 0.37 2.22	4.90
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.30 4.70 0.56 3.34	7.39
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.69 6.11 0.71 4.25	9.42
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.19 8.62 0.88 5.30	11.81
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.26 10.50 0.96 5.78	12.87
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.20 16.33 1.37 8.20	18.22
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.47 27.18 1.54 9.23	20.53
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.00 39.48 2.05 12.30	27.37
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.60 57.71 2.46 14.76	32.82
22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.67 12.32 1.67 10.04	22.33
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.50 25.01 2.10 12.62	28.09
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.20 33.33 2.80 16.79	37.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0035	EA			6" Bell And Spigot Cast Iron Long Sweep.....	235.24	49.96
				<i>For Extra Heavy Fittings, Add</i>	56.12	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.75	
				<i>For Work In Restricted Working Space, Add</i>	22.47	
22 13 16 00-0036	EA			8" Bell And Spigot Cast Iron Long Sweep.....	453.71	64.11
				<i>For Extra Heavy Fittings, Add</i>	125.17	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.80	
				<i>For Work In Restricted Working Space, Add</i>	28.83	
22 13 16 00-0037	EA			10" Bell And Spigot Cast Iron Long Sweep.....	617.75	78.87
				<i>For Extra Heavy Fittings, Add</i>	174.82	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.91	
				<i>For Work In Restricted Working Space, Add</i>	35.48	
22 13 16 00-0038	EA			12" Bell And Spigot Cast Iron Long Sweep.....	943.80	110.07
				<i>For Extra Heavy Fittings, Add</i>	272.56	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.25	
				<i>For Work In Restricted Working Space, Add</i>	49.52	
22 13 16 00-0039	EA			15" Bell And Spigot Cast Iron Long Sweep.....	1,735.98	153.28
				<i>For Extra Heavy Fittings, Add</i>	527.16	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.49	
				<i>For Work In Restricted Working Space, Add</i>	68.94	
22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)						
22 13 16 00-0041	EA			2" Bell And Spigot Cast Iron Short Sweep.....	59.38	22.33
				<i>For Extra Heavy Fittings, Add</i>	9.07	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.67	
				<i>For Work In Restricted Working Space, Add</i>	10.04	
22 13 16 00-0042	EA			3" Bell And Spigot Cast Iron Short Sweep.....	97.90	28.09
				<i>For Extra Heavy Fittings, Add</i>	19.55	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.10	
				<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0043	EA			4" Bell And Spigot Cast Iron Short Sweep.....	133.66	37.35
				<i>For Extra Heavy Fittings, Add</i>	27.19	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.80	
				<i>For Work In Restricted Working Space, Add</i>	16.79	
22 13 16 00-0044	EA			5" Bell And Spigot Cast Iron Short Sweep.....	197.98	42.47
				<i>For Extra Heavy Fittings, Add</i>	47.02	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.18	
				<i>For Work In Restricted Working Space, Add</i>	19.10	
22 13 16 00-0045	EA			6" Bell And Spigot Cast Iron Short Sweep.....	238.58	49.96
				<i>For Extra Heavy Fittings, Add</i>	57.29	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.75	
				<i>For Work In Restricted Working Space, Add</i>	22.47	
22 13 16 00-0046	EA			8" Bell And Spigot Cast Iron Short Sweep.....	386.46	64.11
				<i>For Extra Heavy Fittings, Add</i>	101.63	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.80	
				<i>For Work In Restricted Working Space, Add</i>	28.83	
22 13 16 00-0047	EA			10" Bell And Spigot Cast Iron Short Sweep.....	560.38	78.87
				<i>For Extra Heavy Fittings, Add</i>	154.74	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.91	
				<i>For Work In Restricted Working Space, Add</i>	35.48	
22 13 16 00-0048	EA			12" Bell And Spigot Cast Iron Short Sweep.....	922.41	110.07
				<i>For Extra Heavy Fittings, Add</i>	265.08	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.25	
				<i>For Work In Restricted Working Space, Add</i>	49.52	
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)						
22 13 16 00-0050	EA			2" Bell And Spigot Cast Iron 1/4 Bend.....	54.09	22.25
				<i>For Extra Heavy Fittings, Add</i>	7.25	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.67	
				<i>For Work In Restricted Working Space, Add</i>	10.02	
22 13 16 00-0051	EA			3" Bell And Spigot Cast Iron 1/4 Bend.....	78.94	25.05
				<i>For Extra Heavy Fittings, Add</i>	14.48	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.88	
				<i>For Work In Restricted Working Space, Add</i>	11.27	
22 13 16 00-0052	EA			4" Bell And Spigot Cast Iron 1/4 Bend.....	112.12	33.38
				<i>For Extra Heavy Fittings, Add</i>	21.73	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.50	
				<i>For Work In Restricted Working Space, Add</i>	15.01	
22 13 16 00-0053	EA			5" Bell And Spigot Cast Iron 1/4 Bend.....	140.22	37.93
				<i>For Extra Heavy Fittings, Add</i>	29.19	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.84	
				<i>For Work In Restricted Working Space, Add</i>	17.05	
22 13 16 00-0054	EA			6" Bell And Spigot Cast Iron 1/4 Bend.....	168.60	45.42
				<i>For Extra Heavy Fittings, Add</i>	35.16	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.41	
				<i>For Work In Restricted Working Space, Add</i>	20.45	
22 13 16 00-0055	EA			8" Bell And Spigot Cast Iron 1/4 Bend.....	337.75	59.03
				<i>For Extra Heavy Fittings, Add</i>	87.24	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.42	
				<i>For Work In Restricted Working Space, Add</i>	26.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend	493.06	71.64
For Extra Heavy Fittings, Add	134.98	
For Above Ground Cast Iron Pipe Installation, Add	5.37	
For Work In Restricted Working Space, Add	32.22	
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend	646.82	84.56
For Extra Heavy Fittings, Add	182.01	
For Above Ground Cast Iron Pipe Installation, Add	6.34	
For Work In Restricted Working Space, Add	38.04	
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend	1,625.80	133.37
For Extra Heavy Fittings, Add	499.06	
For Above Ground Cast Iron Pipe Installation, Add	10.00	
For Work In Restricted Working Space, Add	59.98	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend	49.98	22.33
For Extra Heavy Fittings, Add	5.78	
For Above Ground Cast Iron Pipe Installation, Add	1.67	
For Work In Restricted Working Space, Add	10.04	
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend	76.15	28.09
For Extra Heavy Fittings, Add	11.94	
For Above Ground Cast Iron Pipe Installation, Add	2.10	
For Work In Restricted Working Space, Add	12.62	
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend	107.71	37.35
For Extra Heavy Fittings, Add	18.11	
For Above Ground Cast Iron Pipe Installation, Add	2.80	
For Work In Restricted Working Space, Add	16.79	
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend	136.38	47.46
For Extra Heavy Fittings, Add	22.83	
For Above Ground Cast Iron Pipe Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.34	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend	157.07	52.92
For Extra Heavy Fittings, Add	27.19	
For Above Ground Cast Iron Pipe Installation, Add	3.97	
For Work In Restricted Working Space, Add	23.81	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend	300.40	70.72
For Extra Heavy Fittings, Add	68.03	
For Above Ground Cast Iron Pipe Installation, Add	5.30	
For Work In Restricted Working Space, Add	31.81	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend	416.34	87.25
For Extra Heavy Fittings, Add	99.93	
For Above Ground Cast Iron Pipe Installation, Add	6.54	
For Work In Restricted Working Space, Add	39.25	
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend	663.61	113.15
For Extra Heavy Fittings, Add	172.90	
For Above Ground Cast Iron Pipe Installation, Add	8.48	
For Work In Restricted Working Space, Add	50.88	
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend	1,244.40	133.37
For Extra Heavy Fittings, Add	365.57	
For Above Ground Cast Iron Pipe Installation, Add	10.00	
For Work In Restricted Working Space, Add	59.98	
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye.....	90.71	49.87
For Extra Heavy Fittings, Add	5.57	
For Above Ground Cast Iron Pipe Installation, Add	3.74	
For Work In Restricted Working Space, Add	22.44	
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye.....	111.68	54.62
For Extra Heavy Fittings, Add	10.42	
For Above Ground Cast Iron Pipe Installation, Add	4.10	
For Work In Restricted Working Space, Add	24.57	
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye.....	146.92	71.58
For Extra Heavy Fittings, Add	13.87	
For Above Ground Cast Iron Pipe Installation, Add	5.36	
For Work In Restricted Working Space, Add	32.19	
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye.....	188.53	81.69
For Extra Heavy Fittings, Add	23.11	
For Above Ground Cast Iron Pipe Installation, Add	6.13	
For Work In Restricted Working Space, Add	36.75	
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye.....	234.65	96.82
For Extra Heavy Fittings, Add	31.31	
For Above Ground Cast Iron Pipe Installation, Add	7.26	
For Work In Restricted Working Space, Add	43.56	
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye.....	413.01	129.14
For Extra Heavy Fittings, Add	76.78	
For Above Ground Cast Iron Pipe Installation, Add	9.68	
For Work In Restricted Working Space, Add	58.09	
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye.....	567.83	146.51
For Extra Heavy Fittings, Add	121.87	
For Above Ground Cast Iron Pipe Installation, Add	10.98	
For Work In Restricted Working Space, Add	65.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	827.55 196.06 13.37 80.21	178.34
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,259.19 335.72 15.00 89.99	200.10
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0030)</small>					
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.34 20.01 3.91 23.45	52.13
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.03 23.94 4.83 28.99	64.42
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.37 29.15 4.95 29.73	66.06
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.83 48.58 6.50 39.01	86.76
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.59 50.09 6.62 39.75	88.35
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	289.05 51.71 7.07 42.40	94.25
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.13 90.11 7.78 46.70	103.85
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	430.98 95.31 7.93 47.60	105.85
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.17 96.59 8.31 49.86	110.85
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	520.02 117.29 9.25 55.47	123.30
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	629.64 159.74 8.66 51.97	115.54
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	655.12 165.99 9.04 54.26	120.61
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	717.14 181.03 10.00 59.98	133.37
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	937.15 253.78 10.60 63.62	141.45
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	963.26 262.92 10.60 63.62	141.45
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,004.47 271.13 11.49 68.94	153.28
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,173.47 326.31 12.06 72.35	160.88
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,416.98 409.01 12.42 74.51	165.65

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye.....	2,305.69	156.20
			<i>For Extra Heavy Fittings, Add</i>	725.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.71	
			<i>For Work In Restricted Working Space, Add</i>	70.25	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye.....	2,408.27	169.04
			<i>For Extra Heavy Fittings, Add</i>	754.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.67	
			<i>For Work In Restricted Working Space, Add</i>	76.04	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye.....	2,458.84	176.34
			<i>For Extra Heavy Fittings, Add</i>	768.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.22	
			<i>For Work In Restricted Working Space, Add</i>	79.32	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye.....	2,516.68	182.34
			<i>For Extra Heavy Fittings, Add</i>	785.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.67	
			<i>For Work In Restricted Working Space, Add</i>	82.00	
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye.....	2,582.20	192.94
			<i>For Extra Heavy Fittings, Add</i>	802.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.46	
			<i>For Work In Restricted Working Space, Add</i>	86.78	
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	97.51	49.87
			<i>For Extra Heavy Fittings, Add</i>	7.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	22.44	
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	115.87	54.62
			<i>For Extra Heavy Fittings, Add</i>	11.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	24.57	
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	154.22	71.58
			<i>For Extra Heavy Fittings, Add</i>	16.43	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	32.19	
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	213.47	85.70
			<i>For Extra Heavy Fittings, Add</i>	29.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	38.53	
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	267.00	106.29
			<i>For Extra Heavy Fittings, Add</i>	37.68	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.97	
			<i>For Work In Restricted Working Space, Add</i>	47.80	
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	470.57	139.06
			<i>For Extra Heavy Fittings, Add</i>	91.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.42	
			<i>For Work In Restricted Working Space, Add</i>	62.54	
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	673.21	182.34
			<i>For Extra Heavy Fittings, Add</i>	139.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.67	
			<i>For Work In Restricted Working Space, Add</i>	82.00	
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	899.41	234.38
			<i>For Extra Heavy Fittings, Add</i>	191.80	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.57	
			<i>For Work In Restricted Working Space, Add</i>	105.42	
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	103.65	52.13
			<i>For Extra Heavy Fittings, Add</i>	8.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.91	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	143.42	64.42
			<i>For Extra Heavy Fittings, Add</i>	16.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.83	
			<i>For Work In Restricted Working Space, Add</i>	28.99	
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	153.85	66.06
			<i>For Extra Heavy Fittings, Add</i>	19.17	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	227.93	86.76
			<i>For Extra Heavy Fittings, Add</i>	34.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.50	
			<i>For Work In Restricted Working Space, Add</i>	39.01	
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	236.76	88.35
			<i>For Extra Heavy Fittings, Add</i>	36.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	39.75	
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	251.16	94.25
			<i>For Extra Heavy Fittings, Add</i>	38.44	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.07	
			<i>For Work In Restricted Working Space, Add</i>	42.40	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0119	EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		337.16 63.52 7.78 46.70	103.85
22 13 16 00-0120	EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		347.69 63.52 8.31 49.86	110.85
22 13 16 00-0121	EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		434.04 87.20 9.25 55.47	123.30
22 13 16 00-0122	Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)			
22 13 16 00-0123	EA 2" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		152.22 21.98 4.47 26.83	59.67
22 13 16 00-0124	EA 3" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		218.18 36.90 5.64 33.83	75.23
22 13 16 00-0125	EA 4" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		294.06 52.98 7.14 42.81	95.15
22 13 16 00-0126	EA 6" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		558.82 117.52 11.15 66.91	148.76
22 13 16 00-0127	EA 8" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		1,078.99 286.06 13.08 78.51	174.57
22 13 16 00-0128	EA 10" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		1,418.82 394.09 14.64 87.85	195.33
22 13 16 00-0129	EA 12" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		1,014.27 232.00 17.57 105.42	234.38
22 13 16 00-0130	EA 15" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		2,732.27 827.15 18.45 110.70	245.99
22 13 16 00-0131	Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)			
22 13 16 00-0132	EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		142.88 12.97 5.29 31.75	70.57
22 13 16 00-0133	EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		165.75 15.47 6.08 36.47	81.07
22 13 16 00-0134	EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		178.74 17.92 6.38 38.27	85.04
22 13 16 00-0135	EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		231.09 26.74 7.73 46.40	103.18
22 13 16 00-0136	EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		244.26 29.29 8.03 48.17	107.12
22 13 16 00-0137	EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		279.04 36.37 8.76 52.54	116.82
22 13 16 00-0138	EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		432.34 80.75 10.08 60.49	134.52
22 13 16 00-0139	EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>		474.82 82.64 11.94 71.62	159.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0140 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	460.77	143.90
For Extra Heavy Fittings, Add	85.75	
For Above Ground Cast Iron Pipe Installation, Add	10.79	
For Work In Restricted Working Space, Add	64.73	
22 13 16 00-0141 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	537.40	169.04
For Extra Heavy Fittings, Add	99.37	
For Above Ground Cast Iron Pipe Installation, Add	12.67	
For Work In Restricted Working Space, Add	76.04	
22 13 16 00-0142 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	654.84	184.25
For Extra Heavy Fittings, Add	132.50	
For Above Ground Cast Iron Pipe Installation, Add	13.81	
For Work In Restricted Working Space, Add	82.88	
22 13 16 00-0143 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	668.95	188.49
For Extra Heavy Fittings, Add	135.22	
For Above Ground Cast Iron Pipe Installation, Add	14.13	
For Work In Restricted Working Space, Add	84.78	
22 13 16 00-0144 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	844.10	205.09
For Extra Heavy Fittings, Add	187.82	
For Above Ground Cast Iron Pipe Installation, Add	15.37	
For Work In Restricted Working Space, Add	92.24	
22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend.....	129.72	59.67
For Extra Heavy Fittings, Add	14.10	
For Above Ground Cast Iron Pipe Installation, Add	4.47	
For Work In Restricted Working Space, Add	26.83	
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend.....	174.55	79.82
For Extra Heavy Fittings, Add	19.20	
For Above Ground Cast Iron Pipe Installation, Add	5.98	
For Work In Restricted Working Space, Add	35.91	
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend.....	226.82	99.82
For Extra Heavy Fittings, Add	27.02	
For Above Ground Cast Iron Pipe Installation, Add	7.48	
For Work In Restricted Working Space, Add	44.89	
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend.....	488.61	166.25
For Extra Heavy Fittings, Add	83.77	
For Above Ground Cast Iron Pipe Installation, Add	12.46	
For Work In Restricted Working Space, Add	74.78	
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	170.97	71.58
For Extra Heavy Fittings, Add	22.29	
For Above Ground Cast Iron Pipe Installation, Add	5.36	
For Work In Restricted Working Space, Add	32.19	
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	201.79	81.07
For Extra Heavy Fittings, Add	28.08	
For Above Ground Cast Iron Pipe Installation, Add	6.08	
For Work In Restricted Working Space, Add	36.47	
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	226.32	90.25
For Extra Heavy Fittings, Add	31.87	
For Above Ground Cast Iron Pipe Installation, Add	6.76	
For Work In Restricted Working Space, Add	40.58	
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	441.46	124.00
For Extra Heavy Fittings, Add	89.43	
For Above Ground Cast Iron Pipe Installation, Add	9.30	
For Work In Restricted Working Space, Add	55.79	
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees <small>(22 13 16 00-0030)</small>		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee	106.28	49.95
For Extra Heavy Fittings, Add	10.99	
For Above Ground Cast Iron Pipe Installation, Add	3.74	
For Work In Restricted Working Space, Add	22.46	
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee	120.24	54.62
For Extra Heavy Fittings, Add	13.42	
For Above Ground Cast Iron Pipe Installation, Add	4.10	
For Work In Restricted Working Space, Add	24.57	
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee	187.62	66.91
For Extra Heavy Fittings, Add	30.54	
For Above Ground Cast Iron Pipe Installation, Add	5.02	
For Work In Restricted Working Space, Add	30.11	
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee	268.66	75.55
For Extra Heavy Fittings, Add	54.37	
For Above Ground Cast Iron Pipe Installation, Add	5.67	
For Work In Restricted Working Space, Add	34.00	
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee	322.28	90.62
For Extra Heavy Fittings, Add	65.24	
For Above Ground Cast Iron Pipe Installation, Add	6.79	
For Work In Restricted Working Space, Add	40.76	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.70 171.77 8.85 53.08	118.00
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	993.09 272.06 10.79 64.73	143.90
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,467.70 424.98 12.67 76.04	169.04
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.32 21.05 3.91 23.45	52.13
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.59 25.22 4.58 27.46	61.07
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.53 27.65 4.58 27.46	61.07
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.57 45.34 6.50 39.01	86.76
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.64 48.00 6.62 39.75	88.35
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.02 52.75 7.07 42.40	94.25
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	481.50 110.35 8.31 49.86	110.85
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	599.66 145.17 9.25 55.47	123.30
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.15 6.42 3.74 22.44	49.87
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.83 11.18 4.10 24.57	54.62
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.55 15.14 5.36 32.19	71.58
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.98 22.59 6.42 38.53	85.70
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.48 29.10 7.97 47.80	106.29
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.96 67.73 10.42 62.54	139.06
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.30 7.17 3.74 22.44	49.87
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.07 8.11 4.10 24.57	54.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0183 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee	135.84	71.58
For Extra Heavy Fittings, Add	9.99	
For Above Ground Cast Iron Pipe Installation, Add	5.36	
For Work In Restricted Working Space, Add	32.19	
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross	96.66	49.87
For Extra Heavy Fittings, Add	7.65	
For Above Ground Cast Iron Pipe Installation, Add	3.74	
For Work In Restricted Working Space, Add	22.44	
22 13 16 00-0186 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross	107.64	54.62
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	4.10	
For Work In Restricted Working Space, Add	24.57	
22 13 16 00-0187 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Cross	142.32	71.58
For Extra Heavy Fittings, Add	12.26	
For Above Ground Cast Iron Pipe Installation, Add	5.36	
For Work In Restricted Working Space, Add	32.19	
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189 EA 3" x 2" Bell And Spigot Cast Iron Reducer	53.65	28.09
For Extra Heavy Fittings, Add	4.06	
For Above Ground Cast Iron Pipe Installation, Add	2.10	
For Work In Restricted Working Space, Add	12.62	
22 13 16 00-0190 EA 4" x 2" Bell And Spigot Cast Iron Reducer	67.71	37.04
For Extra Heavy Fittings, Add	4.25	
For Above Ground Cast Iron Pipe Installation, Add	2.78	
For Work In Restricted Working Space, Add	16.67	
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer	71.73	37.35
For Extra Heavy Fittings, Add	5.52	
For Above Ground Cast Iron Pipe Installation, Add	2.80	
For Work In Restricted Working Space, Add	16.79	
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer	91.72	45.88
For Extra Heavy Fittings, Add	8.02	
For Above Ground Cast Iron Pipe Installation, Add	3.44	
For Work In Restricted Working Space, Add	20.65	
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer	95.47	46.49
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	3.49	
For Work In Restricted Working Space, Add	20.92	
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer	98.37	47.46
For Extra Heavy Fittings, Add	9.53	
For Above Ground Cast Iron Pipe Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.34	
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer	123.60	48.91
For Extra Heavy Fittings, Add	17.59	
For Above Ground Cast Iron Pipe Installation, Add	3.67	
For Work In Restricted Working Space, Add	22.00	
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer	140.58	59.88
For Extra Heavy Fittings, Add	17.78	
For Above Ground Cast Iron Pipe Installation, Add	4.49	
For Work In Restricted Working Space, Add	26.93	
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer	144.27	61.42
For Extra Heavy Fittings, Add	18.25	
For Above Ground Cast Iron Pipe Installation, Add	4.61	
For Work In Restricted Working Space, Add	27.64	
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer	149.20	64.11
For Extra Heavy Fittings, Add	18.59	
For Above Ground Cast Iron Pipe Installation, Add	4.80	
For Work In Restricted Working Space, Add	28.83	
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer	183.90	71.95
For Extra Heavy Fittings, Add	26.60	
For Above Ground Cast Iron Pipe Installation, Add	5.39	
For Work In Restricted Working Space, Add	32.37	
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer	193.81	75.56
For Extra Heavy Fittings, Add	28.16	
For Above Ground Cast Iron Pipe Installation, Add	5.67	
For Work In Restricted Working Space, Add	34.00	
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer	206.00	78.87
For Extra Heavy Fittings, Add	30.71	
For Above Ground Cast Iron Pipe Installation, Add	5.91	
For Work In Restricted Working Space, Add	35.48	
22 13 16 00-0202 EA 12" x 4" Bell And Spigot Cast Iron Reducer	252.21	85.48
For Extra Heavy Fittings, Add	43.44	
For Above Ground Cast Iron Pipe Installation, Add	6.41	
For Work In Restricted Working Space, Add	38.43	
22 13 16 00-0203 EA 12" x 6" Bell And Spigot Cast Iron Reducer	282.71	100.01
For Extra Heavy Fittings, Add	46.45	
For Above Ground Cast Iron Pipe Installation, Add	7.50	
For Work In Restricted Working Space, Add	45.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0204	EA			12" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.48 47.83 8.54 51.25	113.92
22 13 16 00-0205	EA			12" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.76 49.71 9.84 59.02	131.22
22 13 16 00-0206	EA			15" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	430.67 81.88 9.84 59.02	131.22
22 13 16 00-0207	EA			15" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	458.80 86.36 10.60 63.62	141.45
22 13 16 00-0208	EA			15" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	478.30 89.13 11.18 67.09	149.12
22 13 16 00-0209	EA			15" x 12" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	504.60 93.06 11.94 71.62	159.20
22 13 16 00-0210				Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211	EA			2" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.29 6.94 1.67 10.04	22.33
22 13 16 00-0212	EA			3" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.90 10.10 2.10 12.62	28.09
22 13 16 00-0213	EA			4" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.39 14.15 2.80 16.79	37.35
22 13 16 00-0214	EA			5" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.30 30.33 3.18 19.10	42.47
22 13 16 00-0215	EA			6" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.69 43.68 3.75 22.47	49.96
22 13 16 00-0216	EA			8" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	429.22 116.60 4.80 28.83	64.11
22 13 16 00-0217	EA			10" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	478.16 125.97 5.91 35.48	78.87
22 13 16 00-0218				Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219	EA			2" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.82 9.58 1.67 10.04	22.33
22 13 16 00-0220	EA			3" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.71 15.28 2.10 12.62	28.09
22 13 16 00-0221	EA			4" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.92 23.78 2.80 16.79	37.35
22 13 16 00-0222	EA			5" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.32 45.56 3.56 21.34	47.46
22 13 16 00-0223	EA			6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.42 47.26 3.97 23.81	52.92
22 13 16 00-0224				Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225	EA			3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.13 4.10 24.57	53.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	187.92	70.88
For Above Ground Cast Iron Pipe Installation, Add	5.36	
For Work In Restricted Working Space, Add	32.19	
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	253.01	82.44
For Above Ground Cast Iron Pipe Installation, Add	6.23	
For Work In Restricted Working Space, Add	37.39	
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	486.88	93.42
For Above Ground Cast Iron Pipe Installation, Add	7.07	
For Work In Restricted Working Space, Add	42.40	
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,538.11	109.62
For Above Ground Cast Iron Pipe Installation, Add	8.31	
For Work In Restricted Working Space, Add	49.86	
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	1,666.34	122.30
For Above Ground Cast Iron Pipe Installation, Add	9.25	
For Work In Restricted Working Space, Add	55.47	
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	181.95	74.46
For Above Ground Cast Iron Pipe Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.83	
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	246.50	93.98
For Above Ground Cast Iron Pipe Installation, Add	7.14	
For Work In Restricted Working Space, Add	42.81	
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	546.21	115.45
For Above Ground Cast Iron Pipe Installation, Add	8.76	
For Work In Restricted Working Space, Add	52.54	
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	635.24	139.75
For Above Ground Cast Iron Pipe Installation, Add	10.59	
For Work In Restricted Working Space, Add	63.53	
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	1,661.00	132.91
For Above Ground Cast Iron Pipe Installation, Add	10.08	
For Work In Restricted Working Space, Add	60.49	
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	1,826.02	157.81
For Above Ground Cast Iron Pipe Installation, Add	11.94	
For Work In Restricted Working Space, Add	71.62	
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,420.75	182.11
For Above Ground Cast Iron Pipe Installation, Add	13.81	
For Work In Restricted Working Space, Add	82.88	
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,338.33	210.55
For Above Ground Cast Iron Pipe Installation, Add	15.95	
For Work In Restricted Working Space, Add	95.69	
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	6,450.22	243.53
For Above Ground Cast Iron Pipe Installation, Add	18.46	
For Work In Restricted Working Space, Add	110.74	
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting.....	104.16	
For Above Ground Cast Iron Pipe Installation, Add	1.67	
For Work In Restricted Working Space, Add	10.01	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting.....	142.22	
For Above Ground Cast Iron Pipe Installation, Add	1.88	
For Work In Restricted Working Space, Add	11.25	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting.....	165.40	
For Above Ground Cast Iron Pipe Installation, Add	2.51	
For Work In Restricted Working Space, Add	15.07	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting.....	203.64	
For Above Ground Cast Iron Pipe Installation, Add	2.92	
For Work In Restricted Working Space, Add	17.51	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting.....	247.23	
For Above Ground Cast Iron Pipe Installation, Add	3.52	
For Work In Restricted Working Space, Add	21.15	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting.....	460.78	
For Above Ground Cast Iron Pipe Installation, Add	4.45	
For Work In Restricted Working Space, Add	26.73	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)		
Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	9.30	
For Above Ground Cast Iron Pipe Installation, Add	0.47	
For Work In Restricted Working Space, Add	2.79	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	10.15	
For Above Ground Cast Iron Pipe Installation, Add	0.51	
For Work In Restricted Working Space, Add	3.05	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	12.68	
For Above Ground Cast Iron Pipe Installation, Add	0.63	
For Work In Restricted Working Space, Add	3.80	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	15.21	
For Above Ground Cast Iron Pipe Installation, Add	0.76	
For Work In Restricted Working Space, Add	4.56	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	20.28	
For Above Ground Cast Iron Pipe Installation, Add	1.01	
For Work In Restricted Working Space, Add	6.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.66 1.18 7.10	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.89 1.39 8.37	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.12 1.61 9.64	
22 13 16 00-0257			Joint Material <small>(22 13 16 00-0019)</small> Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material.....	1.55	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material.....	6.87	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	0.72	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket.....	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket.....	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket.....	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket.....	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket.....	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket.....	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket.....	10.43	
22 13 16 00-0268			No Hub Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			No Hub Cast Iron Pipe <small>(22 13 16 00-0268)</small> Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.28 0.35 2.10	4.67
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.95 0.38 2.25	4.97
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.65 0.54 3.27	7.24
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.31 0.71 4.25	9.42
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.95 0.87 5.21	11.58
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.55 0.95 5.68	12.65
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.03 1.35 8.11	18.07
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.94 1.54 9.23	20.53
22 13 16 00-0278			No Hub Cast Iron Fittings <small>(22 13 16 00-0268)</small>		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.29 1.66 9.93	22.09
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.50 1.66 9.93	22.09
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.46 1.90 11.39	25.29
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.86 2.51 15.06	33.45
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.13 2.86 17.19	38.23
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.38 3.42 20.51	45.57
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.80 4.39 26.36	58.58
22 13 16 00-0287			No Hub Cast Iron Reducing Long Sweeps <small>(22 13 16 00-0278)</small>		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.12 1.90 11.39	25.29
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.37 2.51 15.06	33.45
22 13 16 00-0290			No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.76 1.66 9.93	22.09
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.08 1.90 11.39	25.29
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.14 2.51 15.06	33.45
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.40 2.86 17.19	38.23
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.15 3.42 20.51	45.57
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.03 4.39 26.36	58.58
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.02 6.15 36.90	82.02
22 13 16 00-0298			No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.91 1.59 9.53	21.17
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.56 1.66 9.93	22.09
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.14 1.90 11.39	25.29
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.85 2.51 15.06	33.45
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.07 2.86 17.19	38.23
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.74 3.42 20.51	45.57
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.08 4.39 26.36	58.58
22 13 16 00-0306			No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.81 1.59 9.53	21.17
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.25 1.66 9.93	22.09
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.85 1.90 11.39	25.29
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.95 2.51 15.06	33.45
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.79 3.70 22.23	49.40
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.37 4.86 29.18	64.89
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.55 5.98 35.91	79.82
22 13 16 00-0314			No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.07 2.49 14.96	33.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.93 3.38 20.30	45.12
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.04 3.70 22.23	49.40
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.40 4.86 29.18	64.89
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.49 5.58 33.47	74.42
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.88 6.62 39.75	88.35
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.94 8.79 52.71	117.23
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	405.79 9.76 58.57	130.22
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.41 3.23 19.37	43.10
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.93 3.70 22.23	49.40
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.94 4.10 24.57	54.62
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.44 4.55 27.30	60.68
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.07 5.64 33.83	75.18
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.93 5.89 35.33	78.58
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.20 6.88 41.30	91.84
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.86 6.91 41.46	92.17
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.60 7.59 45.55	101.32
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.45 8.09 48.55	107.93
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	325.58 8.66 51.97	115.54
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.91 9.25 55.49	123.38
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.34 2.90 17.42	38.75
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.22 3.38 20.30	45.12
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.25 3.70 22.23	49.40
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.66 4.86 29.18	64.89
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.02 7.48 44.89	99.82
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.51 9.60 57.60	128.06
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.58 11.61 69.63	154.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	75.58	45.12
For Below Ground Installation, Add	3.38	
For Work In Restricted Working Space, Add	20.30	
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	83.04	49.40
For Below Ground Installation, Add	3.70	
For Work In Restricted Working Space, Add	22.23	
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	94.15	54.62
For Below Ground Installation, Add	4.10	
For Work In Restricted Working Space, Add	24.57	
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	106.59	60.68
For Below Ground Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.30	
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	141.51	75.18
For Below Ground Installation, Add	5.64	
For Work In Restricted Working Space, Add	33.83	
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	154.19	78.58
For Below Ground Installation, Add	5.89	
For Work In Restricted Working Space, Add	35.33	
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	175.06	91.84
For Below Ground Installation, Add	6.88	
For Work In Restricted Working Space, Add	41.30	
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	212.29	92.17
For Below Ground Installation, Add	6.91	
For Work In Restricted Working Space, Add	41.46	
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	262.71	101.32
For Below Ground Installation, Add	7.59	
For Work In Restricted Working Space, Add	45.55	
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye.....	94.26	56.10
For Below Ground Installation, Add	4.21	
For Work In Restricted Working Space, Add	25.23	
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye.....	121.09	68.31
For Below Ground Installation, Add	5.12	
For Work In Restricted Working Space, Add	30.71	
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye.....	150.47	74.69
For Below Ground Installation, Add	5.60	
For Work In Restricted Working Space, Add	33.59	
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye.....	233.28	111.37
For Below Ground Installation, Add	8.35	
For Work In Restricted Working Space, Add	50.07	
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye.....	403.36	149.12
For Below Ground Installation, Add	11.18	
For Work In Restricted Working Space, Add	67.09	
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye.....	109.23	62.16
For Below Ground Installation, Add	4.66	
For Work In Restricted Working Space, Add	27.95	
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye.....	128.88	71.58
For Below Ground Installation, Add	5.37	
For Work In Restricted Working Space, Add	32.20	
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye.....	141.31	78.03
For Below Ground Installation, Add	5.85	
For Work In Restricted Working Space, Add	35.10	
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye.....	201.02	98.19
For Below Ground Installation, Add	7.36	
For Work In Restricted Working Space, Add	44.16	
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	118.83	67.38
For Below Ground Installation, Add	5.05	
For Work In Restricted Working Space, Add	30.31	
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	139.50	74.69
For Below Ground Installation, Add	5.60	
For Work In Restricted Working Space, Add	33.59	
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	200.82	98.89
For Below Ground Installation, Add	7.41	
For Work In Restricted Working Space, Add	44.46	
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	290.27	152.65
For Below Ground Installation, Add	11.44	
For Work In Restricted Working Space, Add	68.65	
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.57 4.35 26.08	57.96
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.82 5.05 30.31	67.38
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.92 5.52 33.11	73.60
22 13 16 00-0374			No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.76 2.45 14.68	32.60
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.29 3.38 20.30	45.12
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.22 3.70 22.23	49.40
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.55 4.86 29.18	64.89
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.88 5.58 33.47	74.42
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.61 6.62 39.75	88.35
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.80 8.79 52.71	117.23
22 13 16 00-0382	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.82 2.76 16.55	36.80
22 13 16 00-0383	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.05 3.23 19.37	43.10
22 13 16 00-0384			No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)		
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.13 3.38 20.30	45.12
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.87 3.38 20.30	45.12
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.41 4.58 27.46	61.07
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.54 4.58 27.46	61.07
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.23 5.30 31.79	70.71
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.19 5.30 31.79	70.71
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.55 5.30 31.79	70.71
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.82 5.52 33.12	73.67
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.68 7.41 44.46	98.86
22 13 16 00-0394			No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.77 1.66 9.93	22.09
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.15 1.90 11.39	25.29
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.60 2.51 15.06	33.45
22 13 16 00-0398			No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.44 1.66 9.93	22.09
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.12 1.90 11.39	25.29
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.08 2.51 15.06	33.45
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.97 3.70 22.23	49.40
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.32 4.86 29.18	64.89
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.24 7.39 44.35	98.57
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.80 1.66 9.93	22.09
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.18 1.90 11.39	25.29
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.22 2.51 15.06	33.45
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.08 3.70 22.23	49.40
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.85 4.86 29.18	64.89
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.60 3.27 19.61	43.57
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.18 3.38 20.30	45.12
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.24 3.70 22.23	49.40
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.37 4.86 29.18	64.89
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.23 4.35 26.07	57.96
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.53 4.47 26.84	59.67
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.21 4.67 28.01	62.32
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.52 3.38 20.30	45.12
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.44 4.58 27.46	61.07
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.62 4.58 27.46	61.07
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.64 5.30 31.79	70.71
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.84 5.30 31.79	70.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer	116.31	70.71
For Below Ground Installation, Add	5.30	
For Work In Restricted Working Space, Add	31.79	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer	132.71	78.58
For Below Ground Installation, Add	5.89	
For Work In Restricted Working Space, Add	35.33	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer	132.89	78.58
For Below Ground Installation, Add	5.89	
For Work In Restricted Working Space, Add	35.33	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer	133.43	78.58
For Below Ground Installation, Add	5.89	
For Work In Restricted Working Space, Add	35.33	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer	183.90	109.39
For Below Ground Installation, Add	8.20	
For Work In Restricted Working Space, Add	49.20	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer	185.28	109.39
For Below Ground Installation, Add	8.20	
For Work In Restricted Working Space, Add	49.20	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer	187.50	109.39
For Below Ground Installation, Add	8.20	
For Work In Restricted Working Space, Add	49.20	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer	189.80	109.39
For Below Ground Installation, Add	8.20	
For Work In Restricted Working Space, Add	49.20	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer	190.08	109.39
For Below Ground Installation, Add	8.20	
For Work In Restricted Working Space, Add	49.20	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer	215.73	115.39
For Below Ground Installation, Add	8.65	
For Work In Restricted Working Space, Add	51.89	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer	228.57	120.45
For Below Ground Installation, Add	9.03	
For Work In Restricted Working Space, Add	54.20	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer	253.44	130.75
For Below Ground Installation, Add	9.80	
For Work In Restricted Working Space, Add	58.81	
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug	33.98	21.17
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.53	
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug	35.23	22.09
For Below Ground Installation, Add	1.66	
For Work In Restricted Working Space, Add	9.93	
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug	41.73	25.29
For Below Ground Installation, Add	1.90	
For Work In Restricted Working Space, Add	11.39	
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug	55.26	33.45
For Below Ground Installation, Add	2.51	
For Work In Restricted Working Space, Add	15.06	
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug	67.70	39.36
For Below Ground Installation, Add	2.92	
For Work In Restricted Working Space, Add	17.49	
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug	77.87	45.57
For Below Ground Installation, Add	3.42	
For Work In Restricted Working Space, Add	20.51	
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug	117.80	58.58
For Below Ground Installation, Add	4.39	
For Work In Restricted Working Space, Add	26.36	
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug	137.67	63.11
For Below Ground Installation, Add	4.73	
For Work In Restricted Working Space, Add	28.38	
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap	40.95	22.09
For Below Ground Installation, Add	1.66	
For Work In Restricted Working Space, Add	9.93	
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap	55.83	25.29
For Below Ground Installation, Add	1.90	
For Work In Restricted Working Space, Add	11.39	
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap	81.26	33.45
For Below Ground Installation, Add	2.51	
For Work In Restricted Working Space, Add	15.06	
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap	128.81	38.54
For Below Ground Installation, Add	2.89	
For Work In Restricted Working Space, Add	17.32	
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap	140.04	45.95
For Below Ground Installation, Add	3.45	
For Work In Restricted Working Space, Add	20.67	
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i>	60.77 2.10	28.09
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i>	85.83 2.80	37.35
			<i>For Work In Restricted Working Space, Add</i>	16.79	
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i>	121.83 3.70	49.32
			<i>For Work In Restricted Working Space, Add</i>	22.17	
22 13 16 00-0458			No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i>	62.63 2.51	33.45
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i>	65.21 2.51	33.45
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 13 16 00-0461			No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i>	98.87 2.51	33.45
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 13 16 00-0463			No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i>	48.79 2.10	28.09
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i>	50.87 2.10	28.09
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0466			No Hub Couplings (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA		1-1/2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	5.09 0.66	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.37	
22 13 16 00-0468	EA		2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	5.09 0.66	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.37	
22 13 16 00-0469	EA		3" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	6.04 0.79	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.63	
22 13 16 00-0470	EA		4" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	7.17 0.93	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	1.94	
22 13 16 00-0471	EA		5" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	16.59 2.16	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.48	
22 13 16 00-0472	EA		6" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	18.23 2.37	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	4.92	
22 13 16 00-0473	EA		8" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	34.34 4.46	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	9.27	
22 13 16 00-0474	EA		10" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i>	47.30 6.15	
			<i>For Heavy Duty (Fernco HD-4000), Add</i>	12.77	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling	6.04	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling	9.37	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling	13.07	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling	11.14	
22 13 16 00-0479			Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	14.89	
22 13 16 00-0481	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	15.37	
22 13 16 00-0482	EA		3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	16.14	
22 13 16 00-0483	EA		4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	18.83	
22 13 16 00-0484	EA		5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	35.55	
22 13 16 00-0485	EA		6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	48.80	
22 13 16 00-0486	EA		8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	85.50	
22 13 16 00-0487	EA		10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	130.65	
22 13 16 00-0488			Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268) Note: For use when connecting pipe to an existing in-place system.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub .....7.61 <i>For Work In Restricted Working Space, Add</i> 2.28	7.61	
22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub .....9.30 <i>For Work In Restricted Working Space, Add</i> 2.79	9.30	
22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub .....10.15 <i>For Work In Restricted Working Space, Add</i> 3.05	10.15	
22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub .....12.68 <i>For Work In Restricted Working Space, Add</i> 3.80	12.68	
22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub .....15.21 <i>For Work In Restricted Working Space, Add</i> 4.56	15.21	
22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub .....20.28 <i>For Work In Restricted Working Space, Add</i> 6.08	20.28	
22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub .....23.66 <i>For Work In Restricted Working Space, Add</i> 7.10	23.66	
22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16) See CSI section 22 11 16 00-0414 for copper and brass fittings.		
22 13 16 00-0497 LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe .....9.59	9.59	3.66
22 13 16 00-0498 LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe .....11.74	11.74	4.09
22 13 16 00-0499 LF 2" Hard Drawn DWV Copper Tube/Pipe .....17.72	17.72	5.03
22 13 16 00-0500 LF 3" Hard Drawn DWV Copper Tube/Pipe .....35.94	35.94	6.98
22 13 16 00-0501 LF 4" Hard Drawn DWV Copper Tube/Pipe .....47.10	47.10	7.87
22 13 16 00-0502 LF 5" Hard Drawn DWV Copper Tube/Pipe .....120.55	120.55	9.04
22 13 16 00-0503 LF 6" Hard Drawn DWV Copper Tube/Pipe .....152.24	152.24	14.01
22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation. See CSI section 33 31 00 00-0019 for underground installation.		
22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....16.17 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 4.48	16.17	3.26
22 13 16 00-0507 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....17.92 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 4.96	17.92	3.89
22 13 16 00-0508 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....23.06 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 6.16	23.06	5.60
22 13 16 00-0509 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....25.99 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 6.84	25.99	6.07
22 13 16 00-0510 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....38.01 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 9.10	38.01	7.78
22 13 16 00-0511 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....50.99 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 11.53	50.99	10.35
22 13 16 00-0512 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....69.69 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 15.03	69.69	13.85
22 13 16 00-0513 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0514 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0515 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....5.38 <i>For Work In Restricted Working Space, Add</i> 1.46	5.38	3.26
22 13 16 00-0516 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....6.52 <i>For Work In Restricted Working Space, Add</i> 1.75	6.52	3.89
22 13 16 00-0517 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....9.75 <i>For Work In Restricted Working Space, Add</i> 2.51	9.75	5.60
22 13 16 00-0518 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....11.02 <i>For Work In Restricted Working Space, Add</i> 2.72	11.02	6.07
22 13 16 00-0519 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....14.79 <i>For Work In Restricted Working Space, Add</i> 3.40	14.79	7.57
22 13 16 00-0520 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....21.04 <i>For Work In Restricted Working Space, Add</i> 4.54	21.04	10.07
22 13 16 00-0521 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....29.23 <i>For Work In Restricted Working Space, Add</i> 6.06	29.23	13.47



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0522	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0513)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.27 1.46	3.26
22 13 16 00-0524	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.39 1.75	3.89
22 13 16 00-0525	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.52 2.51	5.60
22 13 16 00-0526	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.73 2.72	6.07
22 13 16 00-0527	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.24 3.40	7.57
22 13 16 00-0528	LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	19.66 4.54	10.07
22 13 16 00-0529	LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	27.73 6.06	13.47
22 13 16 00-0530	Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-0504)</small>		
22 13 16 00-0531	Polyvinyl Chloride (PVC) DWV 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0532	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	20.18 5.84	12.99
22 13 16 00-0533	EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	25.81 7.47	16.58
22 13 16 00-0534	EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	36.30 10.04	22.25
22 13 16 00-0535	EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	44.95 11.67	25.91
22 13 16 00-0536	EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	87.36 15.17	33.68
22 13 16 00-0537	EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	131.09 20.42	45.36
22 13 16 00-0538	EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	173.84 27.23	60.45
22 13 16 00-0539	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0540	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	22.21 5.84	12.99
22 13 16 00-0541	EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.97 7.47	16.58
22 13 16 00-0542	EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	39.30 10.04	22.25
22 13 16 00-0543	EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	50.45 11.67	25.91
22 13 16 00-0544	EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	76.73 15.17	33.68
22 13 16 00-0545	EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	117.12 20.42	45.36
22 13 16 00-0546	EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	173.59 27.23	60.45
22 13 16 00-0547	Polyvinyl Chloride (PVC) DWV 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0548	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	20.35 5.84	12.99
22 13 16 00-0549	EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	25.79 7.47	16.58
22 13 16 00-0550	EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	36.05 10.04	22.25
22 13 16 00-0551	EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	43.72 11.67	25.91
22 13 16 00-0552	EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	84.25 15.17	33.68
22 13 16 00-0553	EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	123.85 20.42	45.36
22 13 16 00-0554	EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	152.56 27.23	60.45
22 13 16 00-0555	Polyvinyl Chloride (PVC) DWV Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0556	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	30.46 8.75	19.46
22 13 16 00-0557	EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	39.20 11.21	24.89
22 13 16 00-0558	EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	55.10 15.05	33.45
22 13 16 00-0559	EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	67.74 17.51	38.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0560	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	130.43 22.76	50.49
22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	172.66 30.64	68.00
22 13 16 00-0562			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	34.23 9.57	21.24
22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	37.84 10.39	23.03
22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	36.47 10.39	23.03
22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	46.95 12.95	28.79
22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	49.49 13.77	30.57
22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	53.69 14.59	32.36
22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	64.07 15.41	34.24
22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	72.92 16.69	37.04
22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	122.80 21.01	46.60
22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	271.23 26.26	58.27
22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	282.98 28.01	62.16
22 13 16 00-0574			Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	42.79 11.67	25.91
22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	55.50 14.94	33.14
22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	82.89 20.07	44.58
22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	103.50 23.34	51.82
22 13 16 00-0579			Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	49.50 13.31	29.57
22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	65.01 15.87	35.24
22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	72.70 17.51	38.90
22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	95.36 19.14	42.48
22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	104.79 21.71	48.16
22 13 16 00-0585			Polyvinyl Chloride (PVC) DWV Reducers <small>(22 13 16 00-0530)</small>		
22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	23.62 6.65	14.78
22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	31.06 7.94	17.58
22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	33.03 8.75	19.46
22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	39.54 9.57	21.24
22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	44.17 10.85	24.12
22 13 16 00-0591	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	82.38 12.60	28.00
22 13 16 00-0592	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	77.16 13.42	29.80
22 13 16 00-0593	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	142.46 16.05	35.64
22 13 16 00-0594	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	132.52 17.80	39.52
22 13 16 00-0595	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	170.31 21.20	47.07
22 13 16 00-0596	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	154.17 23.83	52.91
22 13 16 00-0597			Polyvinyl Chloride (PVC) DWV P-Traps <small>(22 13 16 00-0530)</small>		
22 13 16 00-0598	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	31.70 8.75	19.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0599 EA 2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	40.80 11.21	24.89
22 13 16 00-0600 EA 3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	67.34 15.05	33.45
22 13 16 00-0601 EA 4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	99.24 17.51	38.90
22 13 16 00-0602 EA 6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	148.13 22.76	50.49
22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604 EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	43.75 11.67	25.91
22 13 16 00-0605 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	39.57 10.85	24.12
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	31.76 8.75	19.46
22 13 16 00-0608 EA 2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	39.95 11.21	24.89
22 13 16 00-0609 EA 3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	56.06 15.05	33.45
22 13 16 00-0610 EA 4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	69.31 17.51	38.90
22 13 16 00-0611 EA 6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	124.54 22.76	50.49
22 13 16 00-0612 EA 8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	161.47 30.64	68.00
22 13 16 00-0613 EA 10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	214.03 40.85	90.64
22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	36.51 9.57	21.24
22 13 16 00-0616 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	39.19 10.39	23.03
22 13 16 00-0617 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	50.36 12.95	28.79
22 13 16 00-0618 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	50.44 13.77	30.57
22 13 16 00-0619 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	60.04 14.59	32.36
22 13 16 00-0620 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	60.15 15.41	34.24
22 13 16 00-0621 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	65.90 16.69	37.04
22 13 16 00-0622 EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	111.46 20.19	44.81
22 13 16 00-0623 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	126.50 21.01	46.60
22 13 16 00-0624 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	138.40 26.26	58.27
22 13 16 00-0625 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	159.92 28.01	62.16
22 13 16 00-0626 EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	167.53 33.07	73.37
22 13 16 00-0627 EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	190.40 34.82	77.26
22 13 16 00-0628 EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	212.77 37.44	83.10
22 13 16 00-0629 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		
22 13 16 00-0630 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	44.40 11.67	25.91
22 13 16 00-0631 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	56.87 14.94	33.14
22 13 16 00-0632 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	85.19 20.07	44.58
22 13 16 00-0633 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	114.85 23.34	51.82
22 13 16 00-0634 EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	185.06 30.34	67.38
22 13 16 00-0635 EA 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	230.87 40.85	90.72
22 13 16 00-0636 EA 10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	332.44 54.46	120.90
22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0530)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	50.81 13.31	29.57
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	68.95 15.87	35.24
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	71.97 17.51	38.90
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	86.00 19.14	42.48
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	101.69 21.71	48.16
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	137.66 26.84	59.59
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	163.09 32.09	71.27
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	192.41 35.59	79.05
22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	207.02 38.90	86.36
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	245.41 42.40	94.14
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	286.33 47.65	105.81
22 13 16 00-0649			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	33.37 8.75	19.46
22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	42.46 11.21	24.89
22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	63.62 15.05	33.45
22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	86.27 17.51	38.90
22 13 16 00-0654			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	45.21 10.39	23.03
22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	61.58 12.95	28.79
22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	57.40 13.77	30.57
22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	76.93 15.41	34.24
22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	83.34 16.69	37.04
22 13 16 00-0660			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	45.65 11.67	25.91
22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	57.01 14.94	33.14
22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	79.45 20.07	44.58
22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	143.85 23.34	51.82
22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	340.92 30.34	67.38
22 13 16 00-0666			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	66.45 13.31	29.57
22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	95.80 17.51	38.90
22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	133.58 19.14	42.48
22 13 16 00-0670	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	133.42 21.71	48.16
22 13 16 00-0671	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	246.12 26.84	59.59
22 13 16 00-0672			Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0530)		
22 13 16 00-0673	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	49.65 11.21	24.89
22 13 16 00-0674	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	73.68 15.05	33.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0675 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	99.24	38.90
<i>For Work In Restricted Working Space, Add</i>	17.51	
22 13 16 00-0676 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	194.65	50.49
<i>For Work In Restricted Working Space, Add</i>	22.76	
22 13 16 00-0677 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	250.02	68.00
<i>For Work In Restricted Working Space, Add</i>	30.64	
22 13 16 00-0678 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug.....	332.33	90.64
<i>For Work In Restricted Working Space, Add</i>	40.85	
22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0530)		
22 13 16 00-0680 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	21.59	12.99
<i>For Work In Restricted Working Space, Add</i>	5.84	
22 13 16 00-0681 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	28.32	16.58
<i>For Work In Restricted Working Space, Add</i>	7.47	
22 13 16 00-0682 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	38.73	22.25
<i>For Work In Restricted Working Space, Add</i>	10.04	
22 13 16 00-0683 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	51.31	25.91
<i>For Work In Restricted Working Space, Add</i>	11.67	
22 13 16 00-0684 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	84.64	33.68
<i>For Work In Restricted Working Space, Add</i>	15.17	
22 13 16 00-0685 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	151.14	45.36
<i>For Work In Restricted Working Space, Add</i>	20.42	
22 13 16 00-0686 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug.....	248.74	60.45
<i>For Work In Restricted Working Space, Add</i>	27.22	
22 13 16 00-0687 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings.....	20.09	12.99
<i>For Work In Restricted Working Space, Add</i>	5.84	
22 13 16 00-0689 EA 2" Polyvinyl Chloride (PVC) Couplings.....	25.60	16.58
<i>For Work In Restricted Working Space, Add</i>	7.47	
22 13 16 00-0690 EA 3" Polyvinyl Chloride (PVC) Couplings.....	35.26	22.25
<i>For Work In Restricted Working Space, Add</i>	10.04	
22 13 16 00-0691 EA 4" Polyvinyl Chloride (PVC) Couplings.....	41.88	25.91
<i>For Work In Restricted Working Space, Add</i>	11.67	
22 13 16 00-0692 EA 6" Polyvinyl Chloride (PVC) Couplings.....	67.00	33.68
<i>For Work In Restricted Working Space, Add</i>	15.17	
22 13 16 00-0693 EA 8" Polyvinyl Chloride (PVC) Couplings.....	115.53	45.36
<i>For Work In Restricted Working Space, Add</i>	20.42	
22 13 16 00-0694 EA 10" Polyvinyl Chloride (PVC) Couplings.....	164.32	60.45
<i>For Work In Restricted Working Space, Add</i>	27.23	
22 13 16 00-0695 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters.....	10.37	6.45
<i>For Work In Restricted Working Space, Add</i>	2.92	
22 13 16 00-0697 EA 2" Polyvinyl Chloride (PVC) Male Adapters.....	14.02	8.33
<i>For Work In Restricted Working Space, Add</i>	3.74	
22 13 16 00-0698 EA 3" Polyvinyl Chloride (PVC) Male Adapters.....	21.08	11.13
<i>For Work In Restricted Working Space, Add</i>	5.02	
22 13 16 00-0699 EA 4" Polyvinyl Chloride (PVC) Male Adapters.....	29.43	12.99
<i>For Work In Restricted Working Space, Add</i>	5.84	
22 13 16 00-0700 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
Note: In place piping.		
22 13 16 00-0701 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	5.71	
22 13 16 00-0702 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	6.28	
22 13 16 00-0703 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.99	
22 13 16 00-0704 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	10.78	
22 13 16 00-0705 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	15.40	
22 13 16 00-0706 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	20.54	
22 13 16 00-0707 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	25.10	
22 13 16 00-0708 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
Note: Aboveground installation.		
22 13 16 00-0709 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708)		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	16.17	3.26
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.48	
22 13 16 00-0711 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	17.92	3.89
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	4.96	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0712	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	23.06 6.16	5.60
22 13 16 00-0713	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	25.99 6.84	6.07
22 13 16 00-0714	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	38.01 9.10	7.78
22 13 16 00-0715		Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) <small>(22 13 16 00-0708)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.31 1.46	3.26
22 13 16 00-0717	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.44 1.75	3.89
22 13 16 00-0718	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.63 2.51	5.60
22 13 16 00-0719	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.87 2.72	6.07
22 13 16 00-0720	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	15.00 3.40	7.57
22 13 16 00-0721		Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0708)</small>		
22 13 16 00-0722		Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0723	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	21.38 5.84	12.99
22 13 16 00-0724	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	27.63 7.47	16.58
22 13 16 00-0725	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	41.92 10.04	22.25
22 13 16 00-0726	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	55.49 11.67	25.91
22 13 16 00-0727	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	112.48 15.17	33.68
22 13 16 00-0728		Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0729	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	24.04 5.84	12.99
22 13 16 00-0730	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.23 7.47	16.58
22 13 16 00-0731	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	48.37 10.04	22.25
22 13 16 00-0732	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	68.33 11.67	25.91
22 13 16 00-0733		Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0734	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	21.74 5.84	12.99
22 13 16 00-0735	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	27.38 7.47	16.58
22 13 16 00-0736	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	40.59 10.04	22.25
22 13 16 00-0737	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	53.04 11.67	25.91
22 13 16 00-0738	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	115.05 15.17	33.68
22 13 16 00-0739		Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0740	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	32.45 8.75	19.46
22 13 16 00-0741	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	42.27 11.21	24.89
22 13 16 00-0742	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	62.72 15.05	33.45
22 13 16 00-0743	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	82.46 17.51	38.90
22 13 16 00-0744	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	206.50 22.76	50.49



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0745	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0746	EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	37.12	21.24
	<i>For Work In Restricted Working Space, Add</i>	9.57	
22 13 16 00-0747	EA 2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	41.95	23.03
	<i>For Work In Restricted Working Space, Add</i>	10.39	
22 13 16 00-0748	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	39.34	23.03
	<i>For Work In Restricted Working Space, Add</i>	10.39	
22 13 16 00-0749	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	52.76	28.79
	<i>For Work In Restricted Working Space, Add</i>	12.95	
22 13 16 00-0750	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	55.57	30.57
	<i>For Work In Restricted Working Space, Add</i>	13.77	
22 13 16 00-0751	EA 4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	83.37	32.36
	<i>For Work In Restricted Working Space, Add</i>	14.59	
22 13 16 00-0752	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	83.78	34.24
	<i>For Work In Restricted Working Space, Add</i>	15.41	
22 13 16 00-0753	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	93.65	37.04
	<i>For Work In Restricted Working Space, Add</i>	16.69	
22 13 16 00-0754	EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	216.09	46.60
	<i>For Work In Restricted Working Space, Add</i>	21.01	
22 13 16 00-0755	Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0756	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	48.85	25.91
	<i>For Work In Restricted Working Space, Add</i>	11.67	
22 13 16 00-0757	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	64.32	33.14
	<i>For Work In Restricted Working Space, Add</i>	14.94	
22 13 16 00-0758	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	107.69	44.58
	<i>For Work In Restricted Working Space, Add</i>	20.07	
22 13 16 00-0759	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	143.15	51.82
	<i>For Work In Restricted Working Space, Add</i>	23.34	
22 13 16 00-0760	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0761	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	55.63	29.57
	<i>For Work In Restricted Working Space, Add</i>	13.31	
22 13 16 00-0762	EA 3" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	73.69	35.24
	<i>For Work In Restricted Working Space, Add</i>	15.87	
22 13 16 00-0763	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	82.95	38.90
	<i>For Work In Restricted Working Space, Add</i>	17.51	
22 13 16 00-0764	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	116.24	41.34
	<i>For Work In Restricted Working Space, Add</i>	18.62	
22 13 16 00-0765	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	126.06	46.86
	<i>For Work In Restricted Working Space, Add</i>	21.12	
22 13 16 00-0766	Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0721)		
22 13 16 00-0767	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	35.76	19.46
	<i>For Work In Restricted Working Space, Add</i>	8.75	
22 13 16 00-0768	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	44.12	24.89
	<i>For Work In Restricted Working Space, Add</i>	11.21	
22 13 16 00-0769	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	65.16	33.45
	<i>For Work In Restricted Working Space, Add</i>	15.05	
22 13 16 00-0770	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	86.28	38.90
	<i>For Work In Restricted Working Space, Add</i>	17.51	
22 13 16 00-0771	EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	178.29	50.49
	<i>For Work In Restricted Working Space, Add</i>	22.76	
22 13 16 00-0772	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0721)		
22 13 16 00-0773	EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	43.66	21.24
	<i>For Work In Restricted Working Space, Add</i>	9.57	
22 13 16 00-0774	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	46.26	23.03
	<i>For Work In Restricted Working Space, Add</i>	10.39	
22 13 16 00-0775	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	57.54	30.57
	<i>For Work In Restricted Working Space, Add</i>	13.77	
22 13 16 00-0776	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	73.78	34.24
	<i>For Work In Restricted Working Space, Add</i>	15.41	
22 13 16 00-0777	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	81.83	37.04
	<i>For Work In Restricted Working Space, Add</i>	16.69	
22 13 16 00-0778	EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	154.66	46.60
	<i>For Work In Restricted Working Space, Add</i>	21.01	
22 13 16 00-0779	Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0721)		
22 13 16 00-0780	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	52.92	25.91
	<i>For Work In Restricted Working Space, Add</i>	11.67	
22 13 16 00-0781	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	67.84	33.14
	<i>For Work In Restricted Working Space, Add</i>	14.94	
22 13 16 00-0782	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	113.54	44.58
	<i>For Work In Restricted Working Space, Add</i>	20.07	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	172.27 23.34	51.82
22 13 16 00-0784			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0721)		
22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	60.83 13.31	29.57
22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	85.80 15.87	35.24
22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	92.98 17.51	38.90
22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	120.43 19.14	42.48
22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	147.16 21.71	48.16
22 13 16 00-0790			Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0791	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	39.70 8.75	19.46
22 13 16 00-0792	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.04 11.21	24.89
22 13 16 00-0793	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.73 15.05	33.45
22 13 16 00-0794	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	101.05 17.03	37.85
22 13 16 00-0795			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0796	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	45.70 10.39	23.03
22 13 16 00-0797	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	69.43 12.95	28.79
22 13 16 00-0798	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	62.30 13.77	30.57
22 13 16 00-0799	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	87.89 15.41	34.24
22 13 16 00-0800	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	95.19 16.69	37.04
22 13 16 00-0801			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0802	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	74.58 14.94	33.14
22 13 16 00-0803	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	124.06 20.07	44.58
22 13 16 00-0804			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0721)		
22 13 16 00-0805	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	64.29 13.31	29.57
22 13 16 00-0806	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	114.54 17.51	38.90
22 13 16 00-0807			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0721)		
22 13 16 00-0808	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	41.56 8.75	19.46
22 13 16 00-0809	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	52.89 11.21	24.89
22 13 16 00-0810	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	76.88 15.05	33.45
22 13 16 00-0811	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	108.27 17.51	38.90
22 13 16 00-0812			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0721)		
22 13 16 00-0813	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	23.71 5.84	12.99
22 13 16 00-0814	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	31.74 7.47	16.58
22 13 16 00-0815	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	43.98 10.04	22.25
22 13 16 00-0816	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	63.70 11.67	25.91

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0817 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	118.65 15.17	33.68
22 13 16 00-0818 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0721)		
22 13 16 00-0819 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	20.92 5.84	12.99
22 13 16 00-0820 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	26.43 7.47	16.58
22 13 16 00-0821 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	37.65 10.04	22.25
22 13 16 00-0822 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	45.82 11.67	25.91
22 13 16 00-0823 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	84.78 15.17	33.68
22 13 16 00-0824 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-0825 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	25.88 6.65	14.78
22 13 16 00-0826 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	38.21 7.94	17.58
22 13 16 00-0827 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	39.03 8.75	19.46
22 13 16 00-0828 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	51.36 9.57	21.24
22 13 16 00-0829 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	56.54 10.85	24.12
22 13 16 00-0830 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	36.36 8.75	19.46
22 13 16 00-0832 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	48.99 11.21	24.89
22 13 16 00-0833 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	103.52 15.05	33.45
22 13 16 00-0834 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	167.63 17.51	38.90
22 13 16 00-0835 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	48.94 11.67	25.91
22 13 16 00-0837 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	45.60 10.85	24.12
22 13 16 00-0838 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	11.60 2.92	6.45
22 13 16 00-0840 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	15.76 3.74	8.33
22 13 16 00-0841 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	26.38 5.02	11.13
22 13 16 00-0842 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	40.80 5.84	12.99
22 13 16 00-0843 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	23.71 6.65	14.78
22 13 16 00-0845 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	34.78 7.94	17.58
22 13 16 00-0846 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	34.46 8.75	19.46
22 13 16 00-0847 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	51.09 9.57	21.24
22 13 16 00-0848 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	47.30 10.85	24.12
22 13 16 00-0849 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	87.14 13.06	28.99
22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0721)		
22 13 16 00-0851 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	29.88 5.84	12.99
22 13 16 00-0852 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	36.01 7.47	16.58
22 13 16 00-0853 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	45.26 10.04	22.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0854	EA			4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	51.41 11.67	25.91
22 13 16 00-0855				Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0708)</small> Note: In place piping.		
22 13 16 00-0856	EA			1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.71	
22 13 16 00-0857	EA			2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.28	
22 13 16 00-0858	EA			3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.99	
22 13 16 00-0859	EA			4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.78	
22 13 16 00-0860	EA			6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	15.40	
22 13 16 00-0861				Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-0862				Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0863	EA			1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	10.10	3.38
				<i>For Work In Restricted Working Space, Add</i>	2.03	
22 13 16 00-0864	EA			1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	10.25	3.59
				<i>For Work In Restricted Working Space, Add</i>	2.16	
22 13 16 00-0865	EA			2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	10.78	3.80
				<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0866	EA			3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	12.31	4.02
				<i>For Work In Restricted Working Space, Add</i>	2.41	
22 13 16 00-0867	EA			4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	13.81	4.23
				<i>For Work In Restricted Working Space, Add</i>	2.54	
22 13 16 00-0868	EA			5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	17.28	4.44
				<i>For Work In Restricted Working Space, Add</i>	2.66	
22 13 16 00-0869	EA			6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	20.77	4.65
				<i>For Work In Restricted Working Space, Add</i>	2.79	
22 13 16 00-0870	EA			8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	27.79	5.07
				<i>For Work In Restricted Working Space, Add</i>	3.05	
22 13 16 00-0871	EA			10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	36.36	5.92
				<i>For Work In Restricted Working Space, Add</i>	3.55	
22 13 16 00-0872				Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0873	EA			1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.76	3.59
				<i>For Work In Restricted Working Space, Add</i>	2.16	
22 13 16 00-0874	EA			2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.96	3.80
				<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0875	EA			3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	14.29	4.02
				<i>For Work In Restricted Working Space, Add</i>	2.41	
22 13 16 00-0876	EA			3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	12.83	4.02
				<i>For Work In Restricted Working Space, Add</i>	2.41	
22 13 16 00-0877	EA			4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	17.58	4.23
				<i>For Work In Restricted Working Space, Add</i>	2.54	
22 13 16 00-0878	EA			4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.83	4.23
				<i>For Work In Restricted Working Space, Add</i>	2.54	
22 13 16 00-0879	EA			4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	15.44	4.23
				<i>For Work In Restricted Working Space, Add</i>	2.54	
22 13 16 00-0880	EA			5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	22.32	4.44
				<i>For Work In Restricted Working Space, Add</i>	2.66	
22 13 16 00-0881	EA			5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	20.20	4.44
				<i>For Work In Restricted Working Space, Add</i>	2.66	
22 13 16 00-0882	EA			6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	27.58	4.65
				<i>For Work In Restricted Working Space, Add</i>	2.79	
22 13 16 00-0883	EA			6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	24.40	4.65
				<i>For Work In Restricted Working Space, Add</i>	2.79	
22 13 16 00-0884	EA			6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	25.29	4.65
				<i>For Work In Restricted Working Space, Add</i>	2.79	
22 13 16 00-0885	EA			8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	49.60	8.45
				<i>For Work In Restricted Working Space, Add</i>	5.07	

22	Plumbing
22 10	Plumbing Piping
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0886 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	40.79	8.45
<i>For Work In Restricted Working Space, Add</i>	5.07	
22 13 16 00-0887 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling.....	51.54	9.51
<i>For Work In Restricted Working Space, Add</i>	5.70	
22 13 16 00-0888 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps (22 13 16)		
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889 EA 1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	37.59	22.82
22 13 16 00-0890 EA 2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	40.35	24.26
22 13 16 00-0891 EA 3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	46.75	27.81
22 13 16 00-0892 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	61.67	36.77
22 13 16 00-0893 EA 5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	73.95	43.96
22 13 16 00-0894 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	85.16	50.71
22 13 16 00-0895 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	114.75	64.24
22 13 16 00-0896 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (22 13 16)		
Note: Josam 26450 Series.		
22 13 16 00-0897 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	55.33	17.50
22 13 16 00-0898 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	59.22	19.46
22 13 16 00-0899 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	85.41	25.29
22 13 16 00-0900 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	99.73	29.17
22 13 16 00-0901 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	115.48	33.07
22 13 16 00-0902 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	178.42	36.96
22 13 16 00-0903 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (22 13 16)		
Note: Josam 26440 Series		
22 13 16 00-0904 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	98.15	17.50
22 13 16 00-0905 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	102.04	19.46
22 13 16 00-0906 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	123.15	25.29
22 13 16 00-0907 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	151.98	29.17
22 13 16 00-0908 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	201.85	33.07
22 13 16 00-0909 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	209.63	36.96
22 13 16 00-0910 Cast Iron Vandal Proof Hooded Vent Cap (22 13 16)		
Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911 EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	174.35	17.50
22 13 16 00-0912 EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	178.24	19.46
22 13 16 00-0913 EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	207.33	25.29
22 13 16 00-0914 EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	233.99	29.17
22 13 16 00-0915 EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	272.25	33.07
22 13 16 00-0916 EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	298.17	36.96
22 13 19 Sanitary Waste Piping Specialties (22 13)		
22 13 19 13 Sanitary Drains (22 13 19)		
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002 EA 6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	275.74	83.64
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0003 EA 6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	305.67	93.75
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0004 EA 6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	315.97	103.71
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0005 EA 6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	337.33	114.44
<i>For Vandal Proof Screws, Add</i>	11.00	
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0006 EA 9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	290.97	93.75
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Ductile Iron Grate, Add</i>	48.00	
<i>For Cast Iron Dome Grate, Add</i>	17.00	
<i>For Nikaloy Dome Grate, Add</i>	178.50	
<i>For Bronze Dome Grate, Add</i>	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	



Plumbing	22	22
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0007 EA 9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	310.97	103.71
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0008 EA 9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	332.33	114.44
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0009 EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	393.97	93.75
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0010 EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	413.97	103.71
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	435.33	114.44
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	378.97	93.75
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	398.86	103.71
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	420.33	114.44
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	402.88	93.67
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0016 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	422.86	103.71
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0017 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	444.33	114.44
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	556.88	93.67
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	576.86	103.71
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	598.33	114.44
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	536.38	93.67
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0022 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	556.36	103.71
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0023 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	577.83	114.44
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0024 Square Or Rectangular Top Drains ^(22 13 19 13)		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	319.38	93.67
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	339.58	103.79
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	360.83	114.44
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	334.38 11.00 40.00 22.50	93.67
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	354.58 11.00 40.00 22.50	103.79
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	375.83 11.00 40.00 22.50	114.44
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	400.38 11.00 40.00 22.50	93.67
22 13 19 13-0032 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	420.58 11.00 40.00 22.50	103.79
22 13 19 13-0033 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	441.83 11.00 40.00 22.50	114.44
22 13 19 13-0034 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	308.38 11.00 40.00 22.50	93.67
22 13 19 13-0035 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	328.58 11.00 40.00 22.50	103.79
22 13 19 13-0036 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	349.83 11.00 40.00 22.50	114.44
22 13 19 13-0037 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	327.38 11.00 40.00 22.50	93.67
22 13 19 13-0038 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	347.58 11.00 40.00 22.50	103.79
22 13 19 13-0039 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	368.83 11.00 40.00 22.50	114.44
22 13 19 13-0040 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	380.88 11.00 40.00 22.50	93.67
22 13 19 13-0041 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	401.08 11.00 40.00 22.50	103.79
22 13 19 13-0042 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	422.33 11.00 40.00 22.50	114.44
22 13 19 13-0043 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	787.08 212.00 48.50 76.00	103.79
22 13 19 13-0044 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	808.33 212.00 48.50 76.00	114.44
22 13 19 13-0045 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	950.08 212.00 48.50 76.00	103.79
22 13 19 13-0046 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	971.33 212.00 48.50 76.00	114.44
22 13 19 13-0047 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	930.58 212.00 48.50 76.00	103.79
22 13 19 13-0048 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	951.83 212.00 48.50 76.00	114.44

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	404.38	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	424.58	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	445.83	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	481.88	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	502.08	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	523.33	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	499.88	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	520.08	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	541.33	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	639.38	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	659.58	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	680.83	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	388.38	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	408.58	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	429.83	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	454.38	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	474.58	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	495.83	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	472.38	93.67
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	492.58	103.79
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	513.83	114.44
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	585.88 11.00 120.94 22.50	93.67
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	606.08 11.00 120.94 22.50	103.79
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	627.33 11.00 120.94 22.50	114.44
22 13 19 13-0073 Funnel Type Floor Drains <small>(22 13 19 13)</small>					
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	374.81 11.00 40.00 -19.50	83.64
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	394.88 11.00 40.00 -19.50	93.67
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	414.86 11.00 40.00 -19.50	103.71
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	436.33 11.00 40.00 -19.50	114.44
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	507.38 11.00 15.10 40.00 -19.50	93.67
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	527.36 11.00 15.10 40.00 -19.50	103.71
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	548.83 11.00 15.10 40.00 -19.50	114.44
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	487.88 11.00 15.10 40.00 -19.50	93.67
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	507.86 11.00 15.10 40.00 -19.50	103.71
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	529.33 11.00 15.10 40.00 -19.50	114.44
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet <small>(22 13 19 13)</small>					
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i>	660.74 30.50 247.00 33.50	83.64
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i>	680.88 30.50 247.00 33.50	93.67
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i>	700.86 30.50 247.00 33.50	103.71
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i>	722.33 30.50 247.00 33.50	114.44
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i>	744.47 30.50 247.00 33.50	125.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	718.88	93.67
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	739.08	103.79
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	760.33	114.44
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	782.47	125.49
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	493.38	93.67
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	513.58	103.79
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	534.83	114.44
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	556.97	125.49
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	679.88	93.67
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	700.08	103.79
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	721.33	114.44
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	743.47	125.49
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	29.69	8.45
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	32.67	8.45
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	69.59	16.90
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	86.69	16.90
			Note: For 2" pipe. Kohler K-9132.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0108 Acid Resistant Floor Drains <small>(22 13 19 13-0102)</small>					
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	376.74	83.64
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	396.88	93.67
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	416.86	103.71
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0112 Rotary And Lever Drains <small>(22 13 19 13-0102)</small>					
22 13 19 13-0113	EA		1-1/2" Drain, 3" Sink Opening Lever Drain.....	165.76	56.40
22 13 19 13-0114	EA		2" Drain, 3" Sink Opening Lever Drain.....	177.42	62.24
22 13 19 13-0115	EA		1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	165.76	56.40
22 13 19 13-0116	EA		2" Drain, 3-1/2" Sink Opening Lever Drain.....	177.42	62.24
22 13 19 13-0117	EA		1-1/2" Drain, 3" Sink Opening Twist Drain	165.76	56.40
22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain	177.42	62.24
22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain.....	165.76	56.40
22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain	177.42	62.24
22 13 19 13-0121	EA		1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	218.27	62.24
22 13 19 13-0122 Floor Receptor <small>(22 13 19 13)</small>					
22 13 19 13-0123 9" Diameter Round Shallow Receptor <small>(22 13 19 13-0122)</small>					
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.					
22 13 19 13-0124	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	449.51	93.75
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	469.80	103.86
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0126	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	490.83	114.44
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0127 Square Top Floor Receptors <small>(22 13 19 13-0122)</small>					
Note: With acid resistant coating.					
22 13 19 13-0128	EA		8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	491.31	83.64
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0129	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	511.47	93.75
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	531.36	103.71
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	552.83	114.44
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0132			Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H).....	61.68	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	51.12	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	55.35	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	65.90	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	59.57	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02).....	82.95	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03).....	91.45	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04).....	112.55	9.73
			Note: Prevents emission of sewer gases.		
22 13 19 26			Grease Removal Devices (22 13 19)		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
			Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	699.33	58.36
			Note: Josam 60102H.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,275.10	
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	813.97	131.29
			Note: Josam 60103H.		
			<i>For Flange And Clamp Device, Add</i>	347.69	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,344.74	
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,140.46	145.88
			Note: Josam 60104H.		
			<i>For Flange And Clamp Device, Add</i>	357.41	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,467.80	
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,371.79	160.46
			Note: Josam 60105H.		
			<i>For Flange And Clamp Device, Add</i>	367.14	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,585.43	
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,534.19	175.06
			Note: Josam 60106H.		
			<i>For Flange And Clamp Device, Add</i>	407.27	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,648.34	
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,880.15	204.23
			Note: Josam 60107H.		
			<i>For Flange And Clamp Device, Add</i>	437.92	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,809.99	
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	2,440.53	233.41
			Note: Josam 60108H.		
			<i>For Flange And Clamp Device, Add</i>	498.33	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,924.61	
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	4,726.17	262.58
			Note: Josam 60109H.		
			<i>For Flange And Clamp Device, Add</i>	719.06	
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	5,327.53	303.35
			Note: Josam 60110H.		
			<i>For Flange And Clamp Device, Add</i>	810.23	
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	6,605.53	485.35
			Note: Josam 60213A.		
			<i>For Flange And Clamp Device, Add</i>	1,091.58	
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	9,452.75	606.70
			Note: Josam 60214A.		
			<i>For Flange And Clamp Device, Add</i>	1,301.75	
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	11,032.75	728.04
			Note: Josam 60215A.		
			<i>For Flange And Clamp Device, Add</i>	1,695.60	
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	14,307.37	849.37
			Note: Josam 60216A.		
			<i>For Flange And Clamp Device, Add</i>	2,014.25	
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	18,472.88	970.72
			Note: Josam 60217A.		
			<i>For Flange And Clamp Device, Add</i>	2,368.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,949.43	160.46
			Note: Josam 60115A.		
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,507.02	204.23
			Note: Josam 60117A.		
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	4,097.60	233.41
			Note: Smith 8150.		
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	1,704.36	58.36
			Note: Josam 60102-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,275.10	
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	2,002.07	131.29
			Note: Josam 60103-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,344.74	
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	2,141.12	145.88
			Note: Josam 60104-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,467.80	
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	2,606.57	160.46
			Note: Josam 60105-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,585.43	
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	3,135.47	175.06
			Note: Josam 60106-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,648.34	
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	3,250.59	204.23
			Note: Josam 60107-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,809.99	
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor	3,710.68	233.41
			Note: Josam 60108-SA.		
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,924.61	
22 13 19 26-0030			Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor.....	4,341.68	204.23
			Note: Josam 60115A-SA.		
22 13 19 26-0032			Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor	3,742.67	160.46
			Note: Lowe Engineering 20 Greasestopper.		
22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor	4,340.83	175.06
			Note: Lowe Engineering 25 Greasestopper.		
22 13 19 26-0035			Precast Concrete Grease Interceptor <small>(22 13 19 26)</small> Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036	EA		1,000 Gallon Pre-Cast Grease Interceptor.....	3,847.11	277.33
22 13 19 26-0037	EA		1,250 Gallon Pre-Cast Grease Interceptor.....	4,402.43	277.33
22 13 19 26-0038	EA		1,500 Gallon Pre-Cast Grease Interceptor.....	4,996.63	317.06
22 13 19 26-0039	EA		2,000 Gallon Pre-Cast Grease Interceptor.....	5,684.24	447.77
22 13 19 26-0040	EA		2,500 Gallon Pre-Cast Grease Interceptor.....	6,398.05	602.43
22 13 19 26-0041	EA		4,000 Gallon Pre-Cast Grease Interceptor.....	9,598.68	792.60
22 13 19 26-0042	EA		5,000 Gallon Pre-Cast Grease Interceptor.....	12,317.30	1,299.76
22 13 19 26-0043			Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,045.65	222.29
22 13 19 26-0045	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,725.46	264.12
22 13 19 26-0046	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,303.99	324.98
22 13 19 26-0047	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,588.43	352.02
22 13 19 26-0048	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,272.81	384.14
22 13 19 26-0049	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,561.40	422.60
22 13 19 26-0050	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	9,140.62	486.27
22 13 19 26-0051	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	10,050.08	598.30
22 13 19 26-0052	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	12,266.20	648.48
22 13 19 26-0053	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	17,054.23	778.02
22 13 19 26-0054	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	19,622.24	836.38
22 13 19 26-0055	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	24,666.11	997.43
22 13 19 26-0056	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,452.95	817.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0057 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	34,894.13	972.52
22 13 19 33 Backwater Valves (22 13 19)		
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve.....	224.02	22.33
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve.....	232.58	28.09
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve.....	333.76	37.35
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve.....	873.28	52.92
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve.....	1,070.63	69.65
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve.....	3,032.89	85.93
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve.....	3,443.61	111.44
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	562.80	53.25
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	845.91	64.58
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,048.96	83.25
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,459.24	96.15
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,007.83	113.94
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,469.02	84.26
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,510.72	112.04
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,190.79	142.40
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,215.55	158.76
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	83.34	28.09
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	101.50	37.35
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	273.40	52.92
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	192.19	56.17
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	255.91	74.69
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	434.25	105.83
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves (22 13 19)		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	91.32	10.90
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	107.73	10.90
22 13 23 Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	677.71	110.17
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	678.52	110.17
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	940.09	110.17
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-AR10).....	940.09	110.17
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	999.31	110.17
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0007	Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)			
22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>	287.79 175.00	37.69
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>	292.62 175.00	40.15
22 13 23 00-0010	Sediment Strainers (22 13 23)			
22 13 23 00-0011	EA	2" Strainer, Pump Suction Side.....	115.77	51.48
22 13 29	Sanitary Sewerage Pumps (22 13) Note: Includes extra set of gaskets, bearings and seals.			
22 13 29 13	Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)			
22 13 29 13-0001	Vertical Non-Clog Sewage Pumps (22 13 29 13)			
22 13 29 13-0002	1-1/2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)			
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	8,479.62	933.31
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	8,886.09	933.31
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,292.56	933.31
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,680.27	933.31
22 13 29 13-0007	2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)			
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,605.23	933.31
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,761.57	933.31
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,871.00	933.31
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,621.41	933.31
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,356.18	933.31
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	12,481.80	933.31
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	13,607.41	933.31
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	15,350.47	1,242.04
22 13 29 13-0016	3" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)			
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,388.57	933.31
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,388.57	933.31
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,659.43	933.31
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	12,761.07	933.31
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,129.73	933.31
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	15,480.16	1,242.04
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	16,418.17	1,242.04
22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)			
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	519.49	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	623.75	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	697.18	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	709.88	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	796.91	
22 13 29 13-0030	Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.			
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	466.91	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	490.48	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	501.36	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)			
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round.....	447.99	31.12
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round.....	496.10	35.01
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round.....	687.50	46.68
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round.....	991.55	54.46
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round.....	1,062.03	56.40
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round.....	1,134.81	58.36
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round.....	1,443.59	70.03
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round.....	1,947.46	77.80
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round.....	2,469.49	97.26
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round.....	3,131.48	106.98
22 13 29 16	Submersible Sewerage Pumps (22 13 29) Note: Includes 25' of cord with pumps unless otherwise noted.			
22 13 29 16-0001	Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)			
22 13 29 16-0002	Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0003 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	493.06	56.63
22 13 29 16-0004 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	643.49	56.63
22 13 29 16-0005 EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	775.27	70.79
22 13 29 16-0006 Submersible Sewage Pumps With Bronze Vortex Impeller <small>(22 13 29 16-0001)</small>		
22 13 29 16-0007 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	733.83	56.63
22 13 29 16-0008 EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	898.16	70.79
22 13 29 16-0009 EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,088.83	114.10
22 13 29 16-0010 EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,197.35	139.45
22 13 29 16-0011 Submersible Sewage Pumps With Semi-Open Impeller <small>(22 13 29 16)</small>		
22 13 29 16-0012 EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,584.61	70.79
22 13 29 16-0013 EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,757.27	116.23
22 13 29 16-0014 EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,267.23	142.06
22 13 29 16-0015 EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,636.46	172.20
22 13 29 16-0016 EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,072.40	202.33
22 13 29 16-0017 EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	3,209.35	232.47
22 13 29 16-0018 Submersible Sewage Pumps Accessories <small>(22 13 29 16)</small>		
22 13 29 16-0019 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump	293.35	64.48
Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	684.64	85.97
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	887.76	85.97
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump	991.61	107.46
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023 EA High-water Alarm For Submersible Sewage Pump	225.60	42.98
22 13 29 16-0024 EA Float Switch For Submersible Sewage Pump	85.05	21.50
22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump	422.84	64.48
22 13 29 33 Sewerage Pump Basins And Pits <small>(22 13 29)</small>		
22 13 29 33-0001 Sewage Sump Pump Basin <small>(22 13 29 33)</small>		
22 13 29 33-0002 High Density Polyethylene (HDPE) Basin <small>(22 13 29 33-0001)</small>		
22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	99.78	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	128.51	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	288.90	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	404.57	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	520.24	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	604.87	
22 13 29 33-0009 Fiberglass Basin <small>(22 13 29 33-0001)</small>		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	175.89	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	341.81	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	602.25	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	804.81	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	925.38	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	977.49	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	1,145.33	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,328.63	

22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities (22)

22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities (22 60)

22 66 53 Laboratory Chemical-Waste And Vent Piping (22 66)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 66 53)		
22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings ^(22 66 53 00-0001)		
22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe ^(22 66 53 00-0002)		
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	10.27	4.43
For Schedule 80, Add	1.87	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	1.60	
For Work In Restricted Working Space, Add	2.00	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	12.36	4.97
For Schedule 80, Add	2.52	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.16	
For Work In Restricted Working Space, Add	2.25	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	19.65	7.24
For Schedule 80, Add	4.56	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.90	
For Work In Restricted Working Space, Add	3.27	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	26.58	9.42
For Schedule 80, Add	6.46	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.53	
For Work In Restricted Working Space, Add	4.25	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	43.15	13.85
For Schedule 80, Add	11.65	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	9.97	
For Work In Restricted Working Space, Add	6.22	
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends ^(22 66 53 00-0002)		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	39.55	16.73
For Work In Restricted Working Space, Add	7.53	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	51.07	22.09
For Work In Restricted Working Space, Add	9.93	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	68.44	25.29
For Work In Restricted Working Space, Add	11.39	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	98.74	33.45
For Work In Restricted Working Space, Add	15.06	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	193.39	49.40
For Work In Restricted Working Space, Add	22.23	
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends ^(22 66 53 00-0002)		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	39.31	16.73
For Work In Restricted Working Space, Add	7.53	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	50.42	22.09
For Work In Restricted Working Space, Add	9.93	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	69.69	25.29
For Work In Restricted Working Space, Add	11.39	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	86.20	33.45
For Work In Restricted Working Space, Add	15.06	
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	173.95	49.40
For Work In Restricted Working Space, Add	22.23	
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees ^(22 66 53 00-0002)		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	71.61	35.79
For Work In Restricted Working Space, Add	16.10	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	89.17	45.12
For Work In Restricted Working Space, Add	20.30	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	117.14	49.40
For Work In Restricted Working Space, Add	22.23	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	161.73	64.89
For Work In Restricted Working Space, Add	29.18	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	283.82	103.79
For Work In Restricted Working Space, Add	46.68	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees ^(22 66 53 00-0002)		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	89.14	45.12
For Work In Restricted Working Space, Add	20.30	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	114.14	49.40
For Work In Restricted Working Space, Add	22.23	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	111.47	49.40
For Work In Restricted Working Space, Add	22.23	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	154.88	64.89
For Work In Restricted Working Space, Add	29.18	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	157.46	64.89
For Work In Restricted Working Space, Add	29.18	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	264.74	103.79
For Work In Restricted Working Space, Add	46.68	

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug .....80.38	80.38	35.79
<i>For Work In Restricted Working Space, Add</i>	16.10	
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....91.29	91.29	45.12
<i>For Work In Restricted Working Space, Add</i>	20.30	
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....123.64	123.64	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....164.72	164.72	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....246.82	246.82	103.79
<i>For Work In Restricted Working Space, Add</i>	46.68	
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye .....76.54	76.54	35.79
<i>For Work In Restricted Working Space, Add</i>	16.10	
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye .....93.73	93.73	45.12
<i>For Work In Restricted Working Space, Add</i>	20.30	
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye .....119.86	119.86	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye .....163.98	163.98	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye .....324.99	324.99	103.79
<i>For Work In Restricted Working Space, Add</i>	46.68	
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....99.76	99.76	45.12
<i>For Work In Restricted Working Space, Add</i>	20.30	
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....116.77	116.77	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....116.77	116.77	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....161.31	161.31	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....161.31	161.31	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....289.53	289.53	103.79
<i>For Work In Restricted Working Space, Add</i>	46.68	
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....291.60	291.60	103.79
<i>For Work In Restricted Working Space, Add</i>	46.68	
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye .....265.61	265.61	103.79
<i>For Work In Restricted Working Space, Add</i>	46.68	
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....95.24	95.24	44.74
<i>For Work In Restricted Working Space, Add</i>	20.12	
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....118.31	118.31	56.40
<i>For Work In Restricted Working Space, Add</i>	25.37	
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....160.11	160.11	61.78
<i>For Work In Restricted Working Space, Add</i>	27.79	
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....222.63	222.63	81.07
<i>For Work In Restricted Working Space, Add</i>	36.47	
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....395.50	395.50	129.70
<i>For Work In Restricted Working Space, Add</i>	58.35	
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....70.01	70.01	35.79
<i>For Work In Restricted Working Space, Add</i>	16.10	
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....91.55	91.55	45.12
<i>For Work In Restricted Working Space, Add</i>	20.30	
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....104.67	104.67	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....144.82	144.82	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....84.44	84.44	45.12
<i>For Work In Restricted Working Space, Add</i>	20.30	
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....101.81	101.81	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....102.96	102.96	49.40
<i>For Work In Restricted Working Space, Add</i>	22.23	
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....140.56	140.56	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend .....141.29	141.29	64.89
<i>For Work In Restricted Working Space, Add</i>	29.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps <small>(22 66 53 00-0002)</small>		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	82.76 18.67	41.55
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	110.13 24.57	54.62
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	166.67 33.34	74.15
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	234.77 42.44	94.38
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters <small>(22 66 53 00-0002)</small>		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	38.87 7.53	16.73
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	47.47 9.93	22.09
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	55.72 11.39	25.29
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	75.82 15.06	33.45
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	112.45 22.23	49.40
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 66 53 00-0002)</small>		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	37.14 7.53	16.73
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	48.78 9.93	22.09
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	58.12 11.39	25.29
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	78.17 15.06	33.45
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 66 53 00-0002)</small>		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	34.99 7.53	16.73
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	44.92 9.93	22.09
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	52.28 11.39	25.29
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	69.15 15.06	33.45
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	101.64 22.23	49.40
22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
<small>Note: Acid resistant. ASTM A518.</small>		
22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	63.06	6.93
22 66 53 00-0096 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	88.41	8.64
22 66 53 00-0097 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	119.74	9.96
22 66 53 00-0098 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	196.39	14.38
22 66 53 00-0099 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	344.24	19.14
22 66 53 00-0100 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	605.49	24.14
22 66 53 00-0101 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,076.12	32.52
22 66 53 00-0102 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,909.74	37.29
22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0093)</small>		
22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0103)</small>		
22 66 53 00-0105 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	261.82	58.97
22 66 53 00-0106 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	338.44	64.89
22 66 53 00-0107 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	541.03	77.65
22 66 53 00-0108 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	802.22	95.01
22 66 53 00-0109 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,819.84	153.82
22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0111 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	160.17	58.97
22 66 53 00-0112 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	204.90	64.89
22 66 53 00-0113 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	256.00	77.65
22 66 53 00-0114 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	644.75	95.01

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0115 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,440.53	153.82
22 66 53 00-0116 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,173.68	191.64
22 66 53 00-0117 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,174.97	230.46
22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0103)		
22 66 53 00-0119 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	160.17	58.97
22 66 53 00-0120 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	204.90	64.89
22 66 53 00-0121 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	256.00	77.65
22 66 53 00-0122 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	481.30	95.01
22 66 53 00-0123 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,229.24	153.82
22 66 53 00-0124 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,785.29	191.64
22 66 53 00-0125 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,517.50	230.46
22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0103)		
22 66 53 00-0127 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	160.17	58.97
22 66 53 00-0128 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	204.90	64.89
22 66 53 00-0129 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	255.81	77.57
22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps (22 66 53 00-0103)		
22 66 53 00-0131 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	211.99	58.97
22 66 53 00-0132 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	362.36	64.89
22 66 53 00-0133 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	407.49	77.65
22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0135 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	228.00	88.23
22 66 53 00-0136 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	282.17	97.80
22 66 53 00-0137 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	386.39	116.78
22 66 53 00-0138 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	632.65	142.78
22 66 53 00-0139 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,863.09	230.92
22 66 53 00-0140 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,631.80	288.34
22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0103)		
22 66 53 00-0142 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	214.52	84.57
22 66 53 00-0143 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	247.78	90.79
22 66 53 00-0144 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	274.46	93.98
22 66 53 00-0145 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	313.07	103.79
22 66 53 00-0146 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	333.98	107.05
22 66 53 00-0147 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	364.56	110.25
22 66 53 00-0148 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	454.66	123.55
22 66 53 00-0149 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	500.97	126.73
22 66 53 00-0150 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	557.54	132.56
22 66 53 00-0151 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees (22 66 53 00-0103)		
22 66 53 00-0152 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	255.85	88.23
22 66 53 00-0153 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	305.71	97.57
22 66 53 00-0154 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	412.28	116.78
22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees (22 66 53 00-0103)		
22 66 53 00-0156 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	242.41	84.57
22 66 53 00-0157 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	299.03	94.46
22 66 53 00-0158 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	358.35	107.37
22 66 53 00-0159 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	382.98	110.56
22 66 53 00-0160 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0103)		
22 66 53 00-0161 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	226.16	88.38
22 66 53 00-0162 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	304.10	97.80
22 66 53 00-0163 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	386.25	116.70
22 66 53 00-0164 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	635.81	142.25
22 66 53 00-0165 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,313.21	230.69
22 66 53 00-0166 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0103)		
22 66 53 00-0167 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	230.45	84.57
22 66 53 00-0168 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	247.74	90.79
22 66 53 00-0169 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	261.32	94.53
22 66 53 00-0170 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	291.14	103.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0171 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	302.27	107.21
22 66 53 00-0172 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	357.07	110.56
22 66 53 00-0173 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	476.50	123.70
22 66 53 00-0174 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	558.77	126.73
22 66 53 00-0175 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	583.45	132.56
22 66 53 00-0176 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,377.32	186.10
22 66 53 00-0177 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,484.20	192.26
22 66 53 00-0178 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,803.85	202.09
22 66 53 00-0179 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0180 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	263.78	88.23
22 66 53 00-0181 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	311.69	97.57
22 66 53 00-0182 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	452.14	116.78
22 66 53 00-0183 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	687.90	142.40
22 66 53 00-0184 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0185 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	222.48	84.57
22 66 53 00-0186 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	255.72	90.79
22 66 53 00-0187 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	281.09	94.46
22 66 53 00-0188 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	305.09	103.79
22 66 53 00-0189 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	348.39	107.37
22 66 53 00-0190 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	390.92	110.48
22 66 53 00-0191 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	502.36	123.70
22 66 53 00-0192 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	616.64	126.80
22 66 53 00-0193 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	673.47	132.79
22 66 53 00-0194 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0103)</small>		
22 66 53 00-0195 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	139.08	55.55
22 66 53 00-0196 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	151.70	58.67
22 66 53 00-0197 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	168.33	61.78
22 66 53 00-0198 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	260.16	68.47
22 66 53 00-0199 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	272.82	71.66
22 66 53 00-0200 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	298.26	79.26
22 66 53 00-0201 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	381.08	85.32
22 66 53 00-0202 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	549.66	115.39
22 66 53 00-0203 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	586.25	125.14
22 66 53 00-0204 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0103)</small>		
22 66 53 00-0205 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	365.92	129.70
22 66 53 00-0206 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	469.57	129.70
22 66 53 00-0207 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	478.87	129.70
22 66 53 00-0208 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	553.99	176.77
22 66 53 00-0209 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0103)</small>		
22 66 53 00-0210 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	379.42	58.97
22 66 53 00-0211 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	456.05	64.89
22 66 53 00-0212 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	554.99	77.65
22 66 53 00-0213 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,595.53	95.01
22 66 53 00-0214 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0103)</small>		
22 66 53 00-0215 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	198.04	58.97
22 66 53 00-0216 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	246.75	64.89
22 66 53 00-0217 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	335.73	77.65
22 66 53 00-0218 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	433.13	95.01
22 66 53 00-0219 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	824.66	132.56
22 66 53 00-0220 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
22 66 53 00-0222 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	36.54	

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0223		
Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		
22 66 53 00-0224		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0223)</small>		
22 66 53 00-0225 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	49.94	5.22
22 66 53 00-0226 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	56.78	5.76
22 66 53 00-0227 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	78.11	7.24
22 66 53 00-0228 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	98.26	8.40
22 66 53 00-0229		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0223)</small>		
22 66 53 00-0230		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0231 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	191.52	41.32
22 66 53 00-0232 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	207.56	46.68
22 66 53 00-0233 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	280.50	51.51
22 66 53 00-0234 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	338.54	62.24
22 66 53 00-0235		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0236 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	113.78	41.32
22 66 53 00-0237 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	135.07	46.21
22 66 53 00-0238 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	171.13	51.66
22 66 53 00-0239 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	222.22	61.78
22 66 53 00-0240 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	131.22	43.64
22 66 53 00-0241		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0242 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	113.78	41.32
22 66 53 00-0243 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	135.07	46.21
22 66 53 00-0244 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	171.13	51.66
22 66 53 00-0245 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	222.22	61.78
22 66 53 00-0246		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0247 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	131.72	41.32
22 66 53 00-0248 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	162.97	46.21
22 66 53 00-0249 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	244.88	51.66
22 66 53 00-0250 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	276.04	61.78
22 66 53 00-0251		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0252 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	127.74	41.32
22 66 53 00-0253 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	151.01	46.21
22 66 53 00-0254 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	226.94	51.66
22 66 53 00-0255 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	258.10	61.78
22 66 53 00-0256		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0257 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	192.87	62.16
22 66 53 00-0258		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0259 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	160.98	62.16
22 66 53 00-0260 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	196.67	70.03
22 66 53 00-0261 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	254.52	78.03
22 66 53 00-0262 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	377.24	93.44
22 66 53 00-0263		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0264 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	184.75	67.38
22 66 53 00-0265 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	222.53	72.66
22 66 53 00-0266 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	236.33	75.23
22 66 53 00-0267 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	253.98	83.02
22 66 53 00-0268 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	277.48	85.35
22 66 53 00-0269 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	299.30	87.92
22 66 53 00-0270		
Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0229)</small>		
22 66 53 00-0271 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	161.28	62.39
22 66 53 00-0272 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	188.70	70.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0273 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	246.55	78.03
22 66 53 00-0274 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	377.24	93.44
22 66 53 00-0275 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0229)</small>		
22 66 53 00-0276 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	179.29	67.77
22 66 53 00-0277 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	216.53	72.59
22 66 53 00-0278 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	226.72	75.46
22 66 53 00-0279 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	254.36	83.25
22 66 53 00-0280 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	278.18	85.82
22 66 53 00-0281 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	293.64	88.15
22 66 53 00-0282 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0229)</small>		
22 66 53 00-0283 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	238.20	83.10
22 66 53 00-0284 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	299.61	93.52
22 66 53 00-0285 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	378.35	103.48
22 66 53 00-0286 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	489.50	124.40
22 66 53 00-0287 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	261.53	87.99
22 66 53 00-0288 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	291.22	93.21
22 66 53 00-0289 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	342.83	98.34
22 66 53 00-0290 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	378.52	108.93
22 66 53 00-0291 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	450.60	114.44
22 66 53 00-0292 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0229)</small>		
22 66 53 00-0293 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	262.06	83.10
22 66 53 00-0294 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	307.40	93.36
22 66 53 00-0295 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	431.06	104.02
22 66 53 00-0296 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	595.34	124.57
22 66 53 00-0297 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	281.42	87.99
22 66 53 00-0298 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	360.95	93.21
22 66 53 00-0299 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	380.65	98.34
22 66 53 00-0300 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	408.38	108.85
22 66 53 00-0301 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	511.79	113.98
22 66 53 00-0302 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0303 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	176.62	61.93
22 66 53 00-0304 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	204.64	70.03
22 66 53 00-0305 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	246.55	78.03
22 66 53 00-0306 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	399.16	93.44
22 66 53 00-0307 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0308 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	194.77	67.46
22 66 53 00-0309 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	216.83	72.83
22 66 53 00-0310 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	234.69	75.46
22 66 53 00-0311 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	312.17	83.25
22 66 53 00-0312 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	320.04	85.82
22 66 53 00-0313 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	355.43	88.15
22 66 53 00-0314 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0315 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	275.84	82.94
22 66 53 00-0316 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	343.21	93.29
22 66 53 00-0317 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	484.32	103.71
22 66 53 00-0318 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	581.78	124.80
22 66 53 00-0319 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0320 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	299.36	87.99
22 66 53 00-0321 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	354.95	93.13
22 66 53 00-0322 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	370.68	98.34
22 66 53 00-0323 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	412.37	108.85

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0324 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	511.79	113.98
22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0229)</small>		
22 66 53 00-0326 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	131.88	44.12
22 66 53 00-0327 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	147.73	46.68
22 66 53 00-0328 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	173.35	54.46
22 66 53 00-0329 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	201.15	51.74
22 66 53 00-0330 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	213.00	54.31
22 66 53 00-0331 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	224.86	56.88
22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0333 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	120.24	36.33
22 66 53 00-0334 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	139.34	41.08
22 66 53 00-0335 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	163.38	46.52
22 66 53 00-0336 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	288.25	56.64
22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0229)</small>		
22 66 53 00-0338 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	54.91	20.69
22 66 53 00-0339 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	64.55	23.11
22 66 53 00-0340 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	70.62	25.83
22 66 53 00-0341 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	90.18	30.88
22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0343 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	211.09	41.08
22 66 53 00-0344 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	218.78	46.21
22 66 53 00-0345 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	268.80	51.66
22 66 53 00-0346 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	341.82	61.78
22 66 53 00-0347 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	289.44	44.19
22 66 53 00-0348 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	394.89	49.32
22 66 53 00-0349 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	476.29	54.46
22 66 53 00-0350 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	591.57	64.89
22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0352 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	383.24	46.92
22 66 53 00-0353 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	598.04	51.89
22 66 53 00-0354 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	398.92	46.68
22 66 53 00-0355 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	598.04	51.89
22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0357 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	357.06	46.68
22 66 53 00-0358 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	418.65	51.89
22 66 53 00-0359 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	410.88	46.68
22 66 53 00-0360 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	887.06	51.89
22 66 53 00-0361 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	534.26	51.89
22 66 53 00-0362 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0363 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	155.92	41.55
22 66 53 00-0364 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	201.58	46.68
22 66 53 00-0365 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0229)</small>		
22 66 53 00-0366 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	82.56	31.12
22 66 53 00-0367 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	144.25	33.76
22 66 53 00-0368 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	110.18	38.90
22 66 53 00-0369 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0229)</small>		
22 66 53 00-0370 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	150.13	44.27
22 66 53 00-0371 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	163.67	46.68
22 66 53 00-0372 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	181.51	49.25
22 66 53 00-0373 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	195.07	54.31
22 66 53 00-0374 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	181.55	49.32



Plumbing	22	22
Gas And Vacuum Systems For Laboratory And Healthcare Facilities	22 60	
Chemical-Waste Systems For Laboratory And Healthcare Facilities	22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0375 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	191.38	51.89
22 66 53 00-0376 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	206.92	56.88
22 66 53 00-0377 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	231.18	54.46
22 66 53 00-0378 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	284.63	64.89
22 66 53 00-0379 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0229)</small>		
22 66 53 00-0380 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	47.84	
22 66 53 00-0381 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	55.81	
22 66 53 00-0382 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	59.80	
22 66 53 00-0383 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	65.78	
22 66 53 00-0384 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 66 53 00-0229)</small>		
22 66 53 00-0385 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	360.01	20.77
22 66 53 00-0386 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	137.15	10.35
22 66 53 00-0387 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	252.76	10.35
22 66 53 00-0388 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0229)</small>		
22 66 53 00-0389 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,299.73	103.79
22 66 53 00-0390 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,598.52	109.00
22 66 53 00-0391 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,056.03	10.35

END OF SECTION 22

22 Plumbing

22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities



MINOR			
CSI	UOM	DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91) Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C).....	288.59	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	58.90	
	For >20 To 50, Add	47.12	
	For >50 To 100, Add	23.56	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C).....	373.03	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	80.01	
	For >20 To 50, Add	64.01	
	For >50 To 100, Add	32.00	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C).....	558.80	
	Note: 4mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	126.45	
	For >20 To 50, Add	101.16	
	For >50 To 100, Add	50.58	
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO).....	286.18	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	58.30	
	For >20 To 50, Add	46.64	
	For >50 To 100, Add	23.32	
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	287.67	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	58.67	
	For >20 To 50, Add	46.93	
	For >50 To 100, Add	23.47	
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	366.15	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	78.29	
	For >20 To 50, Add	62.63	
	For >50 To 100, Add	31.32	
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	543.53	
	Note: 4mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	122.63	
	For >20 To 50, Add	98.11	
	For >50 To 100, Add	49.05	
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	227.79	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	43.70	
	For >20 To 50, Add	34.96	
	For >50 To 100, Add	17.48	
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	318.99	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	66.50	
	For >20 To 50, Add	53.20	
	For >50 To 100, Add	26.60	
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	451.98	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	99.75	
	For >20 To 50, Add	79.80	
	For >50 To 100, Add	39.90	
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	412.52	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	89.88	
	For >20 To 50, Add	71.90	
	For >50 To 100, Add	35.95	
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	565.09	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	128.02	
	For >20 To 50, Add	102.42	
	For >50 To 100, Add	51.21	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014 EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,031.11	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	244.53	
For >20 To 50, Add	195.62	
For >50 To 100, Add	97.81	
26 01 10 91-0015 EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	473.16	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	105.04	
For >20 To 50, Add	84.03	
For >50 To 100, Add	42.02	
26 01 10 91-0016 EA 4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	694.08	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	160.27	
For >20 To 50, Add	128.22	
For >50 To 100, Add	64.11	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001 Lock Out/Tag Out Devices <small>(26 01 20 91)</small>		
Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002 EA Lock Out/Tag Out Local Disconnect.....	21.53	
26 01 20 91-0003 EA Lock Out/Tag Out Breaker Or Motor Starter	21.53	
26 01 20 91-0004 EA Lock Out/Tag Out Tags.....	2.56	
26 01 20 91-0005 Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01 20 91-0006 EA Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	17.91	
26 01 20 91-0007 EA Lighting, Existing Circuit Tracing Per Circuit	17.91	

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating And Storing Equipment Restoration (26 01 30)

26 01 30 91-0001 Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01 30 91-0002 Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01 30 91-0003 EA APCD Permit To Construct And Operate Emergency Generator.....	2,452.66	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001 Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0129 for disposal of hazardous lamps.		
26 01 50 51-0002 Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003 EA 300 Watt, T3, Tungsten Halogen Lamp	41.48	
26 01 50 51-0004 EA 500 Watt, T3, Tungsten Halogen Lamp	54.66	
26 01 50 51-0005 EA 1,000 Watt, T3, Tungsten Halogen Lamp	83.24	
26 01 50 51-0006 EA 90 Watt, PAR38, Halogen Lamp	16.84	
26 01 50 51-0007 Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0008 EA 100 Watt, Frosted, Interior Incandescent Lamp	4.04	
For Multiple Lamps In Fixture, Deduct	-1.11	
26 01 50 51-0009 EA 150 Watt, Frosted, Interior Incandescent Lamp	5.55	
For Multiple Lamps In Fixture, Deduct	-1.11	
26 01 50 51-0010 EA 200 Watt, Frosted, Interior Incandescent Lamp	7.23	
For Multiple Lamps In Fixture, Deduct	-1.11	
26 01 50 51-0011 EA 300 Watt, PS25, Interior Incandescent Lamp.....	9.33	
For Multiple Lamps In Fixture, Deduct	-1.11	
26 01 50 51-0012 EA 60 Watt, G25, Clear, Interior Incandescent Lamp	6.50	
For Multiple Lamps In Fixture, Deduct	-1.11	
26 01 50 51-0013 EA 75 Watt, R20, Interior Incandescent Lamp	11.05	
For Multiple Lamps In Fixture, Deduct	-1.33	
26 01 50 51-0014 EA 75 Watt, PAR38, Exterior Incandescent Lamp.....	14.00	
For Multiple Lamps In Fixture, Deduct	-1.33	
26 01 50 51-0015 EA 100 Watt, PAR38, Exterior Incandescent Lamp.....	12.83	
For Multiple Lamps In Fixture, Deduct	-1.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0016 EA 150 Watt, PAR38, Exterior Incandescent Lamp.....	23.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.33	
26 01 50 51-0017 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	51.70	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.54	
26 01 50 51-0018 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	59.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.54	
26 01 50 51-0019 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0020 EA Convert Exit Light Lamps To Red LED Lamps	71.29	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0021 EA Fluorescent Lamp For Exit Light	20.77	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.42	
26 01 50 51-0022 EA Lamp Replacement For Emergency Lights On Exit Sign.....	33.42	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.21	
26 01 50 51-0023 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0024 EA 18", 15 Watt, T8 Fluorescent Lamp	6.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0025 EA 2', 17 Watt, T8 Fluorescent Lamp	8.22	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0026 EA 3', 25 Watt, T8 Fluorescent Lamp	9.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0027 EA 4', 32 Watt, T8 Fluorescent Lamp	10.81	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0028 EA 4', 30 Watt, T8 Fluorescent Lamp	11.71	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0029 EA 4', 28 Watt, T8 Fluorescent Lamp	10.32	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0030 EA 4', 25 Watt, T8 Fluorescent Lamp	10.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0031 EA 4', 44 Watt, T8HO Fluorescent Lamp.....	16.26	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0032 EA 8', 59 Watt, T8 Fluorescent Lamp	12.50	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0033 EA 18", 15 Watt, T12 Fluorescent Lamp	10.24	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0034 EA 2', 20 Watt, T12 Fluorescent Lamp	7.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0035 EA 3', 30 Watt, T12 Fluorescent Lamp	8.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0036 EA 4', 34 Watt, T12 Fluorescent Lamp	8.84	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0037 EA 4', 40 Watt, T12 Fluorescent Lamp	8.66	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0038 EA 8', 60 Watt, T12 Fluorescent Lamp	12.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0039 EA 8', 75 Watt, T12 Fluorescent Lamp	10.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0040 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	18.14	
26 01 50 51-0041 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	10.36	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0042 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	8.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0043 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	8.31	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0044 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	9.16	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0045 EA 6", 4 Watt, T5 Fluorescent Lamp	7.61	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0046 EA 9", 6 Watt, T5 Fluorescent Lamp	7.49	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0047 EA 12", 8 Watt, T5 Fluorescent Lamp	7.72	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0048 EA 21", 13 Watt, T5 Fluorescent Lamp	8.06	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0049 EA 24", 14 Watt, T5 Fluorescent Lamp	9.23	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0050 EA 34", 21 Watt, T5 Fluorescent Lamp	10.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0051 EA 46", 28 Watt, T5 Fluorescent Lamp	9.74	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0052 EA 46", 54 Watt T5HO Fluorescent Lamp	10.62	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0053 EA 46", 54 Watt T5 Fluorescent Lamp	11.86	
26 01 50 51-0054 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	14.98	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.21	
26 01 50 51-0055 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	14.46	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.21	
26 01 50 51-0056 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	13.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.11	
26 01 50 51-0057 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	5.96	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.11	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0058	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	6.57	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.11	
26 01 50 51-0059	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	17.38	
26 01 50 51-0060	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	17.38	
26 01 50 51-0061	EA	32 Watt 2D (DoubleD) Fluorescent Lamp	32.34	
26 01 50 51-0062	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	11.86	
26 01 50 51-0063		Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0064	EA	50 Watt, Pulse Start Metal Halide Lamp	24.17	
26 01 50 51-0065	EA	70 Watt, Pulse Start Metal Halide Lamp	24.17	
26 01 50 51-0066	EA	100 Watt, Pulse Start Metal Halide Lamp	27.82	
26 01 50 51-0067	EA	150 Watt, Pulse Start Metal Halide Lamp	30.82	
26 01 50 51-0068	EA	175 Watt, Probe Start Metal Halide Lamp	23.99	
26 01 50 51-0069	EA	175 Watt, Pulse Start Metal Halide Lamp	35.38	
26 01 50 51-0070	EA	250 Watt, Probe Start Metal Halide Lamp	23.51	
26 01 50 51-0071	EA	250 Watt, Pulse Start Metal Halide Lamp	26.28	
26 01 50 51-0072	EA	400 Watt, Probe Start Metal Halide Lamp	28.39	
26 01 50 51-0073	EA	400 Watt, Pulse Start Metal Halide Lamp	29.20	
26 01 50 51-0074	EA	1,000 Watt, Probe Start Metal Halide Lamp	30.10	
26 01 50 51-0075	EA	1,000 Watt, Pulse Start Metal Halide Lamp	44.11	
26 01 50 51-0076	EA	1,500 Watt, Probe Start Metal Halide Lamp	38.69	
26 01 50 51-0077		High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0078	EA	35 Watt, High Pressure Sodium Lamp	21.37	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0079	EA	50 Watt, High Pressure Sodium Lamp	21.37	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0080	EA	70 Watt, High Pressure Sodium Lamp	21.83	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0081	EA	100 Watt, High Pressure Sodium Lamp	22.71	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0082	EA	150 Watt, High Pressure Sodium Lamp	21.83	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0083	EA	250 Watt, High Pressure Sodium Lamp	21.83	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0084	EA	400 Watt, High Pressure Sodium Lamp	20.52	
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.70	
26 01 50 51-0085	EA	1,000 Watt, High Pressure Sodium Lamp	46.74	
26 01 50 51-0086		Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0087	EA	35 Watt, Low Pressure Sodium Lamp	53.69	
26 01 50 51-0088	EA	55 Watt, Low Pressure Sodium Lamp	59.84	
26 01 50 51-0089	EA	70 Watt, Low Pressure Sodium Lamp	61.22	
26 01 50 51-0090	EA	90 Watt, Low Pressure Sodium Lamp	62.61	
26 01 50 51-0091	EA	135 Watt, Low Pressure Sodium Lamp	68.15	
26 01 50 51-0092	EA	180 Watt, Low Pressure Sodium Lamp	93.09	
26 01 50 51-0093		LED Lamps (26 01 50 51-0001)		
26 01 50 51-0094	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	9.01	
26 01 50 51-0095	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	11.99	
26 01 50 51-0096	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	11.99	
26 01 50 51-0097	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	11.99	
26 01 50 51-0098	EA	8 Watt (40 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	26.69	
26 01 50 51-0099	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	14.01	
26 01 50 51-0100	EA	8 Watt (50 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	30.68	
26 01 50 51-0101	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	37.29	
26 01 50 51-0102	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	14.51	
26 01 50 51-0103	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	19.00	
26 01 50 51-0104	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	16.01	
26 01 50 51-0105	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	21.00	
26 01 50 51-0106	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	16.01	
26 01 50 51-0107	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	17.80	
26 01 50 51-0108	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.01	
26 01 50 51-0109	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.01	
26 01 50 51-0110	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	23.01	
26 01 50 51-0111	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	22.01	
26 01 50 51-0112	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	41.90	
26 01 50 51-0113	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	22.01	
26 01 50 51-0114	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	42.21	
26 01 50 51-0115	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.01	
26 01 50 51-0116	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	23.01	
26 01 50 51-0117	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.01	
26 01 50 51-0118	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.01	
26 01 50 51-0119	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	12.51	
26 01 50 51-0120	EA	6 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	27.64	
26 01 50 51-0121	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	16.20	
26 01 50 51-0122	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	17.80	



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0123 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0001)				
26 01 50 51-0124	EA	2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	21.37	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0125	EA	2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	27.67	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.77	
26 01 50 51-0126	EA	3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	23.34	
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0127	EA	4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	25.18	
		Note: CEE listed.		
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0128	EA	4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	27.54	
		Note: CEE listed.		
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.99	
26 01 50 51-0129 Recycle Hazardous Lamps (26 01 50 51)				
		Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift, 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0130	EA	Recycle 2' Length Linear Fluorescent Lamps	0.23	
26 01 50 51-0131	EA	Recycle 3' Length Linear Fluorescent Lamps	0.35	
26 01 50 51-0132	EA	Recycle 4' Length Linear Fluorescent Lamps	0.47	
26 01 50 51-0133	EA	Recycle 6' Length Linear Fluorescent Lamps	0.70	
26 01 50 51-0134	EA	Recycle 8' Length Linear Fluorescent Lamps	0.94	
26 01 50 51-0135	EA	Recycle Compact Fluorescent Lamps	0.42	
26 01 50 51-0136	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.42	
26 01 50 51-0137	EA	Recycle High Intensity Discharge (HID) Lamps	1.47	
26 01 50 52 Ballasts And Accessories (26 01 50)				
26 01 50 52-0001 High Intensity Discharge (HID) Ballasts (26 01 50 52)				
26 01 50 52-0002 Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)				
26 01 50 52-0003 Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)				
26 01 50 52-0004 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)				
26 01 50 52-0005	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	97.02	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0006	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	99.40	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0007	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	99.40	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0008	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	88.70	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0009	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	88.70	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0010	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	138.03	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0011	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	138.03	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0012	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	178.03	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0013	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	198.43	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0014 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)				
26 01 50 52-0015	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	87.61	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0016	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	92.93	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0017	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	90.64	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0018	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	106.63	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0019	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	104.35	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0020	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	119.19	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0021	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	119.19	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0022	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	143.88	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0023 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	143.88	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0024 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	230.50	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0025 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	230.50	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0026 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0003)</small>		
26 01 50 52-0027 EA Single Mounting Bracket For Core And Coil Type.....	9.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 01 50 52-0028 EA Double Mounting Bracket For Core And Coil Type.....	16.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 01 50 52-0029 F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0030 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0029)</small>		
26 01 50 52-0031 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	123.23	16.73
<i>For Pulse Start Ballast, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0032 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	129.83	16.73
<i>For Pulse Start Ballast, Add</i>	10.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0033 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	118.23	16.73
<i>For Pulse Start Ballast, Add</i>	9.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0034 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	137.30	16.73
<i>For Pulse Start Ballast, Add</i>	11.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0035 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	190.72	16.73
<i>For Pulse Start Ballast, Add</i>	16.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0036 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0029)</small>		
26 01 50 52-0037 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	148.25	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0038 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	158.54	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0039 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0040 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	246.91	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0042 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0043 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	387.29	21.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 01 50 52-0044 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	431.16	21.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 01 50 52-0045 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	415.98	21.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 01 50 52-0046 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0047 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	304.06	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0049 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	345.14	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0050 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	455.93	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0051 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	453.54	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0052 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	635.53	18.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 01 50 52-0053 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	635.53	18.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 01 50 52-0054 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	437.24	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0055 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	514.45	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0056		High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0057	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	567.55	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0058	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	540.34	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0059	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	694.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0060	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	694.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0061		Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0062		Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0061)</small>		
26 01 50 52-0063	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	341.70	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0064	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	369.12	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0065	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	366.42	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0066	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	384.79	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0067	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	611.57	18.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 01 50 52-0068	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	751.84	18.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 01 50 52-0069	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	570.74	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0070	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	519.59	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0071		High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0061)</small>		
26 01 50 52-0072	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	441.19	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0073	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	475.78	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0074	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	710.59	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0075	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	611.38	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0076		Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0077		Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0076)</small>		
26 01 50 52-0078	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	136.38	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0079	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	136.38	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0080	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	153.72	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0081	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	396.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0082	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	396.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0083	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	396.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0084	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	396.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0085	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	396.62	16.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 01 50 52-0086		Owner Supplied Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0087	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	13.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 01 50 52-0088	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	16.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 01 50 52-0089	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	19.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 01 50 52-0090	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	20.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.22	
26 01 50 52-0091	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	23.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52-0092 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast24.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 7.43

26 01 50 53 Lens and Accessory Replacement (26 01 50)

26 01 50 53-0001 EA Parabolic Aluminum Louver Replacement84.72
26 01 50 53-0002 EA Visor For Fixtures.....163.49
26 01 50 53-0003 EA Replace Globe On Pole204.74
26 01 50 53-0004 EA Replace Lenses For Flat Top Pole Fixtures76.53
26 01 50 53-0005 EA Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick24.80
26 01 50 53-0006 EA Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick26.01
26 01 50 53-0007 EA Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick31.29
26 01 50 53-0008 EA Replace Slide-On Lampholder10.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.58
26 01 50 53-0009 EA Replace Screw Mount Lampholder10.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.58
26 01 50 53-0010 EA Replace Medium Bi-Pin Lampholder12.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.58
26 01 50 53-0011 EA Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.58
26 01 50 53-0012 EA Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type16.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.58
26 01 50 53-0013 EA Replace Compact Twin-Tube Lampholder, Snap-in.....12.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2.58
26 01 50 53-0014 EA Replace Exterior Light Globes49.63

26 05 Common Work Results For Electrical (26)**26 05 13 Medium-Voltage Cables (26 05)****26 05 13 00-0001****Wire And Cable (26 05 13)**

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002**5 KV Cable (26 05 13 00-0001)****26 05 13 00-0003****Pulled In Duct, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)**

26 05 13 00-0004 MLF #6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor2,439.27 668.92
26 05 13 00-0005 MLF #4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor2,862.92 730.40
26 05 13 00-0006 MLF #2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor3,398.36 825.24
26 05 13 00-0007 MLF #1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....4,388.38 1,016.73
26 05 13 00-0008 MLF #2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....4,993.06 1,144.93
26 05 13 00-0009 MLF #3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....6,074.97 1,270.84
26 05 13 00-0010 MLF #4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....6,836.99 1,427.92
26 05 13 00-0011 MLF 250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor8,073.85 1,588.62
26 05 13 00-0012 MLF 350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor9,429.67 1,896.77
26 05 13 00-0013 MLF 500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor11,824.15 2,229.61
26 05 13 00-0014 MLF 750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor15,540.35 1,906.30
26 05 13 00-0015 MLF 1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....22,863.67 3,025.88

26 05 13 00-0016**Direct Burial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)**

Note: Excludes excavation.

26 05 13 00-0017 MLF #6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....2,355.65
26 05 13 00-0018 MLF #4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....2,625.55
26 05 13 00-0019 MLF #2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....2,923.86
26 05 13 00-0020 MLF #1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....3,592.34
26 05 13 00-0021 MLF #2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....3,876.44
26 05 13 00-0022 MLF #3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....4,800.30
26 05 13 00-0023 MLF #4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....5,169.63
26 05 13 00-0024 MLF 250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....6,165.48
26 05 13 00-0025 MLF 350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....6,834.36
26 05 13 00-0026 MLF 500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....8,471.96

26 05 13 00-0027**Aerial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)**

Note: Installed on poles.

26 05 13 00-0028 MLF #6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....1,871.40 420.82
26 05 13 00-0029 MLF #4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....2,221.23 451.21
26 05 13 00-0030 MLF #2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....2,832.66 570.59
26 05 13 00-0031 MLF #1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....3,664.48 692.68
26 05 13 00-0032 MLF #2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....4,264.72 813.15
26 05 13 00-0033 MLF #3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....5,338.32 929.92
26 05 13 00-0034 MLF #4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....6,098.76 1,078.98
26 05 13 00-0035 MLF 250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....7,664.75 1,357.42
26 05 13 00-0036 MLF 350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....9,195.11 1,717.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05	13 00-0037	MLF	500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	11,913.42	2,157.95
26 05	13 00-0038		5 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0002)</small>		
26 05	13 00-0039	MLF	1/0 5 KV Non-Shielded, Single Copper Conductor	5,249.86	1,333.08
26 05	13 00-0040	MLF	3/0 5 KV Non-Shielded, Single Copper Conductor	6,687.79	1,371.39
26 05	13 00-0041	MLF	4/0 5 KV Non-Shielded, Single Copper Conductor	6,955.14	1,401.70
26 05	13 00-0042	MLF	350 MCM 5 KV Non-Shielded, Single Copper Conductor.....	8,225.69	1,455.18
26 05	13 00-0043	MLF	500 MCM 5 KV Non-Shielded, Single Copper Conductor.....	11,481.27	1,525.05
26 05	13 00-0044	MLF	750 MCM 5 KV Non-Shielded, Single Copper Conductor.....	17,546.86	1,906.30
26 05	13 00-0045	MLF	1,000 MCM 5 KV Non-Shielded, Single Copper Conductor.....	20,413.57	2,541.77
26 05	13 00-0046		Placed In Duct, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>		
26 05	13 00-0047	MLF	#6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	2,577.34	668.92
26 05	13 00-0048	MLF	#4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,049.57	730.40
26 05	13 00-0049	MLF	#2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,638.71	825.24
26 05	13 00-0050	MLF	#1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,179.61	920.93
26 05	13 00-0051	MLF	#1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,720.77	1,016.73
26 05	13 00-0052	MLF	#2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,376.59	1,144.93
26 05	13 00-0053	MLF	#3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	6,596.58	1,270.84
26 05	13 00-0054	MLF	#4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	7,425.07	1,427.92
26 05	13 00-0055	MLF	250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	8,812.28	1,588.62
26 05	13 00-0056	MLF	350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	10,273.44	1,896.77
26 05	13 00-0057	MLF	500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	12,949.18	2,229.61
26 05	13 00-0058	MLF	750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	17,479.78	1,906.30
26 05	13 00-0059	MLF	1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	25,617.49	3,025.88
26 05	13 00-0060		Direct Burial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>		
			Note: Excludes excavation.		
26 05	13 00-0061	MLF	#6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,493.73	
26 05	13 00-0062	MLF	#4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,812.20	
26 05	13 00-0063	MLF	#2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,164.20	
26 05	13 00-0064	MLF	#1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,544.83	
26 05	13 00-0065	MLF	#1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,924.73	
26 05	13 00-0066	MLF	#2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,259.97	
26 05	13 00-0067	MLF	#3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,321.91	
26 05	13 00-0068	MLF	#4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,757.71	
26 05	13 00-0069	MLF	250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,903.91	
26 05	13 00-0070	MLF	350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,678.13	
26 05	13 00-0071	MLF	500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,596.99	
26 05	13 00-0072		Aerial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>		
			Note: Installed on poles.		
26 05	13 00-0073	MLF	#6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,009.47	420.82
26 05	13 00-0074	MLF	#4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,407.88	451.21
26 05	13 00-0075	MLF	#2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,073.01	570.59
26 05	13 00-0076	MLF	#1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,533.81	631.19
26 05	13 00-0077	MLF	#1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,996.87	692.68
26 05	13 00-0078	MLF	#2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,648.25	813.15
26 05	13 00-0079	MLF	#3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,859.93	929.92
26 05	13 00-0080	MLF	#4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,686.84	1,078.98
26 05	13 00-0081	MLF	250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,403.18	1,357.42
26 05	13 00-0082	MLF	350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	10,038.88	1,717.56
26 05	13 00-0083	MLF	500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	13,038.45	2,157.95
26 05	13 00-0084		15 KV Cable <small>(26 05 13 00-0001)</small>		
26 05	13 00-0085		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0084)</small>		
26 05	13 00-0086		Placed In Duct, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
26 05	13 00-0087	MLF	#4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,047.97	1,333.08
26 05	13 00-0088	MLF	#2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,396.90	1,333.08
26 05	13 00-0089	MLF	#1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,530.00	1,333.08
26 05	13 00-0090	MLF	#1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,963.58	1,333.08
26 05	13 00-0091	MLF	#2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,375.12	1,333.08
26 05	13 00-0092	MLF	#3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,211.87	1,391.51
26 05	13 00-0093	MLF	#4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,373.54	1,391.51
26 05	13 00-0094	MLF	250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,414.72	1,455.18
26 05	13 00-0095	MLF	350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,447.99	1,489.30
26 05	13 00-0096	MLF	500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,557.40	1,677.55

26 Electrical

26 05 Common Work Results For Electrical

26 05 13 Medium-Voltage Cables



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 00-0097	Direct Burial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
	Note: Excludes excavation.		
26 05 13 00-0098	MLF #1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,096.01	
26 05 13 00-0099	MLF #1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,529.59	
26 05 13 00-0100	MLF #2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,941.13	
26 05 13 00-0101	MLF #3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,796.31	
26 05 13 00-0102	MLF #4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,957.98	
26 05 13 00-0103	MLF 250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,078.27	
26 05 13 00-0104	MLF 350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,113.59	
26 05 13 00-0105	MLF 500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation.....	10,032.37	
26 05 13 00-0106	Aerial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
	Note: Installed on poles.		
26 05 13 00-0107	MLF #1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	3,774.92	601.17
26 05 13 00-0108	MLF #1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,448.72	692.68
26 05 13 00-0109	MLF #2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,176.40	813.15
26 05 13 00-0110	MLF #3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,173.73	929.92
26 05 13 00-0111	MLF #4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,726.51	1,078.98
26 05 13 00-0112	MLF 250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,073.27	1,256.06
26 05 13 00-0113	MLF 350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,565.91	1,463.64
26 05 13 00-0114	MLF 500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,825.50	1,700.16
26 05 13 00-0115	Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0084)</small>		
26 05 13 00-0116	Placed In Duct, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
26 05 13 00-0117	MLF #4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,356.72	1,333.08
26 05 13 00-0118	MLF #2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,768.46	1,333.08
26 05 13 00-0119	MLF #1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,925.51	1,333.08
26 05 13 00-0120	MLF #1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,437.14	1,333.08
26 05 13 00-0121	MLF #2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,922.75	1,333.08
26 05 13 00-0122	MLF #3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,883.84	1,391.51
26 05 13 00-0123	MLF #4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,074.62	1,391.51
26 05 13 00-0124	MLF 250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,274.54	1,455.18
26 05 13 00-0125	MLF 350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,478.44	1,489.30
26 05 13 00-0126	MLF 500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,882.84	1,677.55
26 05 13 00-0127	Direct Burial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
	Note: Excludes excavation.		
26 05 13 00-0128	MLF #1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,491.53	
26 05 13 00-0129	MLF #1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,003.15	
26 05 13 00-0130	MLF #2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,488.76	
26 05 13 00-0131	MLF #3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,468.29	
26 05 13 00-0132	MLF #4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,659.05	
26 05 13 00-0133	MLF 250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,935.58	
26 05 13 00-0134	MLF 350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,138.07	
26 05 13 00-0135	MLF 500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,357.80	
26 05 13 00-0136	Aerial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
	Note: Installed on poles.		
26 05 13 00-0137	MLF #1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,170.44	601.17
26 05 13 00-0138	MLF #1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,922.28	692.68
26 05 13 00-0139	MLF #2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,724.03	813.15
26 05 13 00-0140	MLF #3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,845.71	929.92
26 05 13 00-0141	MLF #4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,427.58	1,078.98
26 05 13 00-0142	MLF 250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,933.08	1,256.06
26 05 13 00-0143	MLF 350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,596.36	1,463.64
26 05 13 00-0144	MLF 500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,150.93	1,700.16
26 05 13 00-0145	15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0084)</small>		
26 05 13 00-0146	MLF 1/0 15 KV Non-Shielded, Single Copper Conductor.....	6,914.99	1,337.75
26 05 13 00-0147	MLF 3/0 15 KV Non-Shielded, Single Copper Conductor.....	8,794.02	1,401.70
26 05 13 00-0148	MLF 350 MCM 15 KV Non-Shielded, Single Copper Conductor.....	11,840.48	1,495.11
26 05 13 00-0149	Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 00-0084)</small>		
	Note: Laid in cable tray or hung in vertical cable shaft.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0150 Galvanized Steel Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	35.03	10.20
26 05 13 00-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	41.14	10.87
26 05 13 00-0153 Aluminum Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	35.03	10.20
26 05 13 00-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	41.14	10.87
26 05 13 00-0156 Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 00-0084)</small>		
<small>Note: 0.175" XLPE insulation, copper conductor.</small>		
26 05 13 00-0157 MLF #4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,504.14	668.92
26 05 13 00-0158 MLF #2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,950.62	730.40
26 05 13 00-0159 MLF #1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	3,511.30	825.24
26 05 13 00-0160 MLF #1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	4,537.81	1,013.97
26 05 13 00-0161 MLF #2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	5,164.70	1,141.50
26 05 13 00-0162 MLF #3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	6,320.07	1,270.84
26 05 13 00-0163 MLF #4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	7,100.00	1,422.58
26 05 13 00-0164 15 KV URD Cable Copper Direct Burial <small>(26 05 13 00-0084)</small>		
26 05 13 00-0165 MLF 15 KV 3/C URD Cable Copper Direct Burial #6	10,801.13	
26 05 13 00-0166 35 KV And 70 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0167 35 KV, Shielded, Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0168 MLF 3/0 35 KV Shielded, Single Copper Conductor	12,235.33	2,214.66
26 05 13 00-0169 70 KV, Shielded, Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0170 MLF 350 MCM 70 KV Shielded, Single Copper Conductor.....	37,363.62	2,524.76
26 05 13 00-0171 Wire Connections <small>(26 05 13 00-0001)</small>		
26 05 13 00-0172 Medium Voltage Up To 5 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0173 Shielded One Conductor Cable Splice <small>(26 05 13 00-0172)</small>		
26 05 13 00-0174 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	213.15	85.97
26 05 13 00-0175 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	249.01	85.97
26 05 13 00-0176 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	249.01	85.97
26 05 13 00-0177 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	274.59	103.16
26 05 13 00-0178 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	274.59	103.16
26 05 13 00-0179 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	274.59	103.16
26 05 13 00-0180 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	308.71	120.36
26 05 13 00-0181 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	308.71	120.36
26 05 13 00-0182 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	308.71	120.36
26 05 13 00-0183 Cable Termination Without Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0184 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	207.72	103.16
26 05 13 00-0185 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	244.92	120.36
26 05 13 00-0186 Cable Termination With Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0187 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	717.51	206.33
26 05 13 00-0188 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	992.51	283.70
26 05 13 00-0189 Connect To Pothead, Pothead Included <small>(26 05 13 00-0172)</small>		
26 05 13 00-0190 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	739.17	206.33
26 05 13 00-0191 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	918.66	236.42
26 05 13 00-0192 Two Conductor Pothead <small>(26 05 13 00-0172)</small>		
<small>Note: Includes 5 KV pothead.</small>		
26 05 13 00-0193 EA #6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	703.59	283.70
26 05 13 00-0194 EA 250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	912.11	361.07
26 05 13 00-0195 EA 400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,229.16	409.38
26 05 13 00-0196 EA 750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,776.00	477.65
26 05 13 00-0197 EA 1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	3,074.41	716.39
26 05 13 00-0198 Three Conductor Pothead <small>(26 05 13 00-0172)</small>		
<small>Note: Includes 5 KV pothead.</small>		
26 05 13 00-0199 EA #6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,961.74	412.65
26 05 13 00-0200 EA 250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,182.85	481.43

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0201			Copper Cable Splice, Crimp Compression Connection (26 05 13 00-0172) Note: For bare wire.		
26 05 13 00-0202	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire.....	53.89	
26 05 13 00-0203	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire.....	59.13	
26 05 13 00-0204	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire.....	68.97	
26 05 13 00-0205	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire.....	78.50	
26 05 13 00-0206	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire.....	88.46	
26 05 13 00-0207	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	98.25	
26 05 13 00-0208	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	107.96	
26 05 13 00-0209	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	117.98	
26 05 13 00-0210	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	127.81	
26 05 13 00-0211	EA		250 MCM Crimp Compression Connection For Bare Copper Wire.....	137.78	
26 05 13 00-0212	EA		300 MCM Crimp Compression Connection For Bare Copper Wire.....	147.92	
26 05 13 00-0213	EA		350 MCM Crimp Compression Connection For Bare Copper Wire.....	157.65	
26 05 13 00-0214	EA		400 MCM Crimp Compression Connection For Bare Copper Wire.....	177.80	
26 05 13 00-0215	EA		500 MCM Crimp Compression Connection For Bare Copper Wire.....	198.36	
26 05 13 00-0216			Aluminum Cable Splice, Crimp Compression Connection (26 05 13 00-0172) Note: For bare wire.		
26 05 13 00-0217	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	54.67	
26 05 13 00-0218	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	59.56	
26 05 13 00-0219	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	79.91	
26 05 13 00-0220	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	92.05	
26 05 13 00-0221	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	101.64	
26 05 13 00-0222	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	111.19	
26 05 13 00-0223	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	121.73	
26 05 13 00-0224	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	131.78	
26 05 13 00-0225	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	141.65	
26 05 13 00-0226	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	151.70	
26 05 13 00-0227	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	161.62	
26 05 13 00-0228	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	183.49	
26 05 13 00-0229	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	205.47	
26 05 13 00-0230			15 KV (26 05 13 00-0171)		
26 05 13 00-0231			Single Conductor Pothead On Racks (26 05 13 00-0230) Note: Includes pothead.		
26 05 13 00-0232	EA		#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	866.87	361.07
26 05 13 00-0233	EA		250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,094.93	447.04
26 05 13 00-0234			Two Conductor Pothead On Rack (26 05 13 00-0230) Note: Includes pothead.		
26 05 13 00-0235	EA		#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,305.08	550.21
26 05 13 00-0236	EA		250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,555.76	653.37
26 05 13 00-0237			Three Conductor Pothead On Rack (26 05 13 00-0230) Note: Includes pothead.		
26 05 13 00-0238	EA		#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,681.62	713.55
26 05 13 00-0239	EA		250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,098.53	894.08
26 05 13 00-0240			Stress Relief Cone On Rack (26 05 13 00-0230)		
26 05 13 00-0241	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack.....	840.70	361.07
26 05 13 00-0242	EA		250 To 500 MCM Stress Relief Cone, On Rack.....	1,065.51	447.04
26 05 13 00-0243			Grounded, Shielded Cable Splice (26 05 13 00-0230)		
26 05 13 00-0244	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	602.91	266.51
26 05 13 00-0245	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	775.37	343.88
26 05 13 00-0246	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	2,880.34	945.66
26 05 13 00-0247	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	3,480.25	1,031.64
26 05 13 00-0248			Cable Termination (26 05 13 00-0230)		
26 05 13 00-0249	EA		#2 To 3/0 AWG Cable Termination 15 KV.....	368.42	150.44
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	90.27	
26 05 13 00-0250	EA		4/0 To 250 MCM Cable Termination 15 KV.....	469.49	193.43
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	116.06	
26 05 13 00-0251	EA		350 To 500 MCM Cable Termination 15 KV.....	577.99	236.42
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	141.85	
26 05 13 00-0252	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV.....	222.88	85.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	51.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0253 Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0254 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	374.45	111.76
26 05 13 00-0255 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	421.74	123.52
26 05 13 00-0256 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	487.06	135.18
26 05 13 00-0257 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	604.77	155.75
26 05 13 00-0258 Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0259 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	748.91	223.90
26 05 13 00-0260 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	843.54	247.04
26 05 13 00-0261 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	964.11	265.33
26 05 13 00-0262 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,209.54	311.48
26 05 13 00-0263 35 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0264 35 KV One Conductor Splice <small>(26 05 13 00-0263)</small>		
26 05 13 00-0265 EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	1,498.53	
26 05 13 00-0266 Cable Termination <small>(26 05 13 00-0263)</small>		
26 05 13 00-0267 EA #2 To 3/0 AWG Cable Termination 35 KV	287.96	103.25
26 05 13 00-0268 EA 3/0 AWG To 250 MCM Cable Termination 35 KV	411.20	155.78
26 05 13 00-0269 EA 350 To 500 MCM Cable Termination 35 KV	460.13	166.61
26 05 13 00-0270 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	233.42	85.97
26 05 13 00-0271 70 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0272 Cable Splice <small>(26 05 13 00-0271)</small>		
26 05 13 00-0273 EA Cable Splicing, 350 MCM 70 KV	4,814.84	
26 05 13 00-0274 EA Cable Splicing, #2 To 4/0 70 KV	1,525.00	
26 05 19 Low-Voltage Electrical Power Conductors And Cables <small>(26 05)</small>		
26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables <small>(26 05 19)</small>		
26 05 19 16-0001 Cable Installation Methods <small>(26 05 19 16)</small>		
26 05 19 16-0002 Pull Cord <small>(26 05 19 16-0001)</small>		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit	0.27	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits.....	0.14	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.60	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.35	
26 05 19 16-0007 Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>		
Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand	2.32	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand	2.96	
26 05 19 16-0010 EA Boring Minimum Set-Up Charge	324.86	
Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011 Wire and Cable <small>(26 05 19 16)</small>		
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 19 16-0012 600 Volt Wire <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013 Single Solid Conductor, Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0014 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	452.45	190.75
26 05 19 16-0015 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	560.90	224.39
26 05 19 16-0016 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	685.04	274.37
26 05 19 16-0017 MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	583.46	190.75
26 05 19 16-0018 MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	701.59	224.39
26 05 19 16-0019 MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit	835.98	274.37
26 05 19 16-0020 Power Cable, Stranded Conductor, Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0021 Power Cable, Stranded, Single Conductor, XHHW <small>(26 05 19 16-0020)</small>		
26 05 19 16-0022 MLF #16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	468.26	157.19
26 05 19 16-0023 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	554.81	188.63
26 05 19 16-0024 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	674.96	220.07
26 05 19 16-0025 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	817.80	251.50
26 05 19 16-0026 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,076.30	314.38

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0027	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,423.20	377.25
26 05 19 16-0028	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	1,919.20	471.57
26 05 19 16-0029	MLF	#3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,255.47	534.44
26 05 19 16-0030	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	2,647.57	597.32
26 05 19 16-0031	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	3,229.98	660.20
26 05 19 16-0032	MLF	1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	3,850.84	754.51
26 05 19 16-0033	MLF	2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	4,577.26	848.82
26 05 19 16-0034	MLF	3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	5,431.48	943.14
26 05 19 16-0035	MLF	4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	6,448.56	1,037.45
26 05 19 16-0036	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	6,854.93	1,131.76
26 05 19 16-0037	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	8,052.94	1,226.08
26 05 19 16-0038	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	8,598.74	1,320.39
26 05 19 16-0039	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	9,577.84	1,414.70
26 05 19 16-0040	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	11,006.83	1,509.02
26 05 19 16-0041	MLF	600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	12,609.06	1,634.77
26 05 19 16-0042	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	18,737.27	1,823.40
26 05 19 16-0043	MLF	1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit	26,147.21	2,137.78

26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW (26 05 19 16-0020)

26 05 19 16-0045	MLF	2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,109.62	377.17
26 05 19 16-0046	MLF	3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,350.05	440.21
26 05 19 16-0047	MLF	4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,669.15	534.44
26 05 19 16-0048	MLF	6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,952.82	581.36
26 05 19 16-0049	MLF	7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,091.51	612.96
26 05 19 16-0050	MLF	9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,438.50	675.75
26 05 19 16-0051	MLF	10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,844.06	704.36
26 05 19 16-0052	MLF	12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,924.49	770.23
26 05 19 16-0053	MLF	14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,209.17	817.55
26 05 19 16-0054	MLF	24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,591.61	1,037.53
26 05 19 16-0055	MLF	37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,931.09	1,540.46
26 05 19 16-0056	MLF	2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,350.12	440.21
26 05 19 16-0057	MLF	3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,710.59	534.44
26 05 19 16-0058	MLF	4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,071.09	628.76
26 05 19 16-0059	MLF	2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	1,792.17	565.64
26 05 19 16-0060	MLF	3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,294.72	691.00
26 05 19 16-0061	MLF	4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,957.18	880.42
26 05 19 16-0062	MLF	6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,964.61	1,132.15
26 05 19 16-0063	MLF	9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	5,316.87	1,446.22
26 05 19 16-0064	MLF	2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,191.89	644.48
26 05 19 16-0065	MLF	3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,757.32	754.51
26 05 19 16-0066	MLF	4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,558.54	958.86
26 05 19 16-0067	MLF	2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	2,767.86	723.07
26 05 19 16-0068	MLF	3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,680.12	895.98
26 05 19 16-0069	MLF	4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,682.82	1,105.04
26 05 19 16-0070	MLF	2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	3,673.67	877.27
26 05 19 16-0071	MLF	3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,729.40	1,003.42
26 05 19 16-0072	MLF	4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,091.46	1,252.17
26 05 19 16-0073	MLF	2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	4,979.97	1,068.57
26 05 19 16-0074	MLF	3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	6,450.18	1,194.95
26 05 19 16-0075	MLF	4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	8,546.83	1,571.89
26 05 19 16-0076	MLF	3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	8,510.36	1,508.78
26 05 19 16-0077	MLF	4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	11,031.62	1,885.48
26 05 19 16-0078	MLF	3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	9,981.37	1,635.08
26 05 19 16-0079	MLF	3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	12,079.27	1,885.48
26 05 19 16-0080	MLF	3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	14,720.18	2,199.71
26 05 19 16-0081	MLF	4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	19,365.04	2,828.23
26 05 19 16-0082	MLF	3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	17,857.77	2,517.15
26 05 19 16-0083	MLF	3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	19,147.01	2,828.23
26 05 19 16-0084	MLF	3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	23,752.71	3,143.78
26 05 19 16-0085	MLF	3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit	30,340.80	3,455.18

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF	#14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	602.09	
26 05 19 16-0088	MLF	#12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	706.61	
26 05 19 16-0089	MLF	#10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	860.80	
26 05 19 16-0090	MLF	#8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,115.61	
26 05 19 16-0091	MLF	#6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,497.05	
26 05 19 16-0092	MLF	#4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,945.94	
26 05 19 16-0093	MLF	#2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,725.97	
26 05 19 16-0094	MLF	#1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,305.21	
26 05 19 16-0095	MLF	#1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,996.88	
26 05 19 16-0096	MLF	#2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,775.15	
26 05 19 16-0097	MLF	#3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	5,673.20	
26 05 19 16-0098	MLF	#4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,379.74	
26 05 19 16-0099	MLF	250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,917.32	
26 05 19 16-0100	MLF	300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	8,147.65	
26 05 19 16-0101	MLF	350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	9,057.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0102 MLF 400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	10,104.20	
26 05 19 16-0103 MLF 500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	11,794.39	
26 05 19 16-0104 MLF 600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	13,809.30	
26 05 19 16-0105 MLF 750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	21,091.41	
26 05 19 16-0106 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	711.88	
26 05 19 16-0107 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	871.82	
26 05 19 16-0108 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,080.02	
26 05 19 16-0109 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,307.00	
26 05 19 16-0110 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,762.75	
26 05 19 16-0111 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,434.88	
26 05 19 16-0112 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,435.38	
26 05 19 16-0113 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,205.08	
26 05 19 16-0114 MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,738.25	
26 05 19 16-0115 MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,344.99	
26 05 19 16-0116 MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,341.68	
26 05 19 16-0117 MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,606.15	
26 05 19 16-0118 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,763.28	
26 05 19 16-0119 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,999.41	
26 05 19 16-0120 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	11,365.39	
26 05 19 16-0121 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	12,787.89	
26 05 19 16-0122 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	15,312.35	
26 05 19 16-0123 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	27,719.69	
26 05 19 16-0124 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	464.28	
26 05 19 16-0125 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	573.60	
26 05 19 16-0126 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	703.43	
26 05 19 16-0127 MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	974.15	
26 05 19 16-0128 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,305.67	
26 05 19 16-0129 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,701.58	
26 05 19 16-0130 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,406.00	
26 05 19 16-0131 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,846.32	
26 05 19 16-0132 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,309.64	
26 05 19 16-0133 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,741.05	
26 05 19 16-0134 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,399.65	
26 05 19 16-0135 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,211.38	
26 05 19 16-0136 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,085.70	
26 05 19 16-0137 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,994.67	
26 05 19 16-0138 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,968.18	
26 05 19 16-0139 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,909.14	
26 05 19 16-0140 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	10,505.29	
26 05 19 16-0141 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	13,003.70	
26 05 19 16-0142 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	19,491.90	
26 05 19 16-0143 MLF #2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,798.12	
26 05 19 16-0144 MLF #1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,428.35	
26 05 19 16-0145 MLF #2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,029.64	
26 05 19 16-0146 MLF #3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,843.70	
26 05 19 16-0147 MLF #4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,603.45	
26 05 19 16-0148 MLF 250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,197.28	
26 05 19 16-0149 MLF 350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	11,681.67	
26 05 19 16-0150 MLF 400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	12,694.58	
26 05 19 16-0151 MLF 500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	14,453.20	
26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0012)		
26 05 19 16-0153 ACTHH, Solid (26 05 19 16-0152)		
26 05 19 16-0154 MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid.....	1,824.53	515.81
26 05 19 16-0155 MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid.....	2,103.46	584.59
26 05 19 16-0156 MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid.....	2,402.92	618.98
26 05 19 16-0157 MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	2,640.50	859.69
26 05 19 16-0158 MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	2,832.42	962.69
26 05 19 16-0159 MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	3,573.79	1,066.62
26 05 19 16-0160 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid.....	4,653.10	1,169.61
26 05 19 16-0161 MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	3,186.75	962.69
26 05 19 16-0162 MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	3,343.16	1,066.62
26 05 19 16-0163 MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	4,262.21	1,204.09
26 05 19 16-0164 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid.....	5,515.97	1,306.56
26 05 19 16-0165 MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	3,793.40	1,066.62
26 05 19 16-0166 MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	4,159.59	1,204.09
26 05 19 16-0167 MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	5,277.60	1,341.20
26 05 19 16-0168 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid.....	6,822.41	1,444.89
26 05 19 16-0169 ACTHH, Stranded (26 05 19 16-0152)		
26 05 19 16-0170 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	4,825.85	1,238.73
26 05 19 16-0171 MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	5,878.35	1,409.30
26 05 19 16-0172 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	5,688.43	1,375.51
26 05 19 16-0173 MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	7,123.00	1,546.25

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0174	MLF		#4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	8,999.59	1,719.39
26 05 19 16-0175	MLF		#3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	10,341.54	1,889.44
26 05 19 16-0176	MLF		#2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	11,844.14	2,061.63
26 05 19 16-0177	MLF		#8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	7,335.46	1,650.10
26 05 19 16-0178	MLF		#6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	8,870.74	1,821.35
26 05 19 16-0179	MLF		#4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	11,391.41	1,994.66
26 05 19 16-0180	MLF		#3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	12,482.82	2,165.48
26 05 19 16-0181	MLF		#2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	14,797.22	2,336.13
26 05 19 16-0182			HCFC, Solid <small>(26 05 19 16-0152)</small>		
26 05 19 16-0183	MLF		#14 AWG Cable - Type HCF, 2 Conductors, Solid.....	2,949.07	859.69
26 05 19 16-0184	MLF		#12 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,230.43	965.95
26 05 19 16-0185	MLF		#10 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,609.72	1,061.38
26 05 19 16-0186	MLF		#14 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,570.48	965.95
26 05 19 16-0187	MLF		#12 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,832.24	1,061.38
26 05 19 16-0188	MLF		#10 AWG Cable - Type HCF, 3 Conductors, Solid.....	5,001.68	1,210.88
26 05 19 16-0189	MLF		#14 AWG Cable - Type HCF, 4 Conductors, Solid.....	4,379.61	1,061.38
26 05 19 16-0190	MLF		#12 AWG Cable - Type HCF, 4 Conductors, Solid.....	4,788.22	1,210.88
26 05 19 16-0191	MLF		#10 AWG Cable - Type HCF, 4 Conductors, Solid.....	6,527.40	1,343.27
26 05 19 16-0192			MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0152)</small>		
26 05 19 16-0193	MLF		#14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,665.63	859.69
26 05 19 16-0194	MLF		#12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,976.51	965.95
26 05 19 16-0195	MLF		#10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,592.51	1,061.38
26 05 19 16-0196	MLF		#8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,626.93	1,134.20
26 05 19 16-0197	MLF		#6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,791.68	1,202.36
26 05 19 16-0198	MLF		#14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,082.73	965.95
26 05 19 16-0199	MLF		#12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,482.35	1,061.38
26 05 19 16-0200	MLF		#10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,445.44	1,210.88
26 05 19 16-0201	MLF		#8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,816.60	1,306.56
26 05 19 16-0202	MLF		#6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,819.96	1,409.30
26 05 19 16-0203	MLF		#4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,474.06	1,513.58
26 05 19 16-0204	MLF		#2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,908.60	1,615.97
26 05 19 16-0205	MLF		#14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,582.87	1,061.38
26 05 19 16-0206	MLF		#12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,105.31	1,210.88
26 05 19 16-0207	MLF		#10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,277.94	1,343.27
26 05 19 16-0208	MLF		#8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,568.02	1,479.70
26 05 19 16-0209	MLF		#6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,506.89	1,583.22
26 05 19 16-0210	MLF		#4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	13,928.21	1,685.69
26 05 19 16-0211	MLF		#2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	18,055.71	1,787.31
26 05 19 16-0212			FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0152)</small>		
			Note: Color coded red.		
26 05 19 16-0213	MLF		#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,483.71	653.37
26 05 19 16-0214	MLF		#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,827.78	756.53
26 05 19 16-0215	MLF		#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,466.49	859.69
26 05 19 16-0216	MLF		#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,964.49	962.86
26 05 19 16-0217	MLF		#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	2,833.39	756.53
26 05 19 16-0218	MLF		#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,331.91	859.69
26 05 19 16-0219	MLF		#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,126.09	962.86
26 05 19 16-0220	MLF		#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,679.16	1,066.02
26 05 19 16-0221			FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0152)</small>		
			Note: Color coded red.		
26 05 19 16-0222	MLF		#14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	3,157.06	859.69
26 05 19 16-0223	MLF		#14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	3,868.15	962.86
26 05 19 16-0224	MLF		#14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,039.57	1,066.02
26 05 19 16-0225	MLF		#14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,809.80	1,169.18
26 05 19 16-0226	MLF		#12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	3,922.18	962.86
26 05 19 16-0227	MLF		#12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	4,743.39	1,066.02
26 05 19 16-0228			FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0152)</small>		
			Note: Color coded red.		
26 05 19 16-0229	MLF		#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,667.23	653.37
26 05 19 16-0230	MLF		#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,232.12	962.86
26 05 19 16-0231	MLF		#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,257.01	756.53
26 05 19 16-0232	MLF		#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	3,830.47	859.69
26 05 19 16-0233	MLF		#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,262.34	1,066.02
26 05 19 16-0234	MLF		#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,819.06	894.08
26 05 19 16-0235	MLF		#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,681.89	1,031.64
26 05 19 16-0236			Armored Cable Connectors <small>(26 05 19 16-0152)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0237 EA 3/4" Armored Cable Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.09 1.41 0.71 1.41	1.88
26 05 19 16-0238 EA 1" Armored Cable Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.01 1.65 0.83 1.65	2.21
26 05 19 16-0239 EA 1-1/4" Armored Cable Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54 2.36 1.18 2.36	3.15
26 05 19 16-0240 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0241 MLF #12 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	586.21	190.82
26 05 19 16-0242 MLF #10 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	722.38	224.39
26 05 19 16-0243 MLF #8 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	1,007.13	305.19
26 05 19 16-0244 MLF #6 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	1,360.17	365.30
26 05 19 16-0245 MLF #4 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	1,785.58	425.91
26 05 19 16-0246 MLF #2 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	2,538.20	548.67
26 05 19 16-0247 MLF #1 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	3,013.51	610.44
26 05 19 16-0248 MLF #1/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	3,504.94	687.78
26 05 19 16-0249 MLF #2/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	3,970.25	763.00
26 05 19 16-0250 MLF #3/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	4,690.80	856.76
26 05 19 16-0251 MLF #4/0 AWG Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	5,573.69	945.18
26 05 19 16-0252 MLF 250 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	6,526.91	1,039.02
26 05 19 16-0253 MLF 300 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	7,519.06	1,135.69
26 05 19 16-0254 MLF 350 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	8,583.73	1,220.81
26 05 19 16-0255 MLF 400 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	9,611.83	1,356.46
26 05 19 16-0256 MLF 500 MCM Cable - Type THW 600 Volt Copper, Single Stranded, Placed In Conduit	11,376.10	1,494.87
26 05 19 16-0257 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	606.55	125.99
<i>For EPR Insulation, Add</i>	20.25	
<i>For Hypalon (CSPE) Jacket, Add</i>	47.24	
26 05 19 16-0258 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	687.76	139.51
<i>For EPR Insulation, Add</i>	20.64	
<i>For Hypalon (CSPE) Jacket, Add</i>	48.16	
26 05 19 16-0259 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	829.65	174.40
<i>For EPR Insulation, Add</i>	30.13	
<i>For Hypalon (CSPE) Jacket, Add</i>	70.31	
26 05 19 16-0260 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,116.21	277.44
<i>For EPR Insulation, Add</i>	49.54	
<i>For Hypalon (CSPE) Jacket, Add</i>	115.59	
26 05 19 16-0261 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,498.10	332.92
<i>For EPR Insulation, Add</i>	83.24	
<i>For Hypalon (CSPE) Jacket, Add</i>	194.24	
26 05 19 16-0262 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,018.51	386.53
<i>For EPR Insulation, Add</i>	125.94	
<i>For Hypalon (CSPE) Jacket, Add</i>	293.86	
26 05 19 16-0263 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,301.01	442.41
<i>For EPR Insulation, Add</i>	144.74	
<i>For Hypalon (CSPE) Jacket, Add</i>	337.72	
26 05 19 16-0264 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,856.91	498.29
<i>For EPR Insulation, Add</i>	204.54	
<i>For Hypalon (CSPE) Jacket, Add</i>	477.26	
26 05 19 16-0265 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,492.95	554.95
<i>For EPR Insulation, Add</i>	276.37	
<i>For Hypalon (CSPE) Jacket, Add</i>	644.86	
26 05 19 16-0266 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	4,187.37	626.08
<i>For EPR Insulation, Add</i>	345.17	
<i>For Hypalon (CSPE) Jacket, Add</i>	805.39	
26 05 19 16-0267 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	5,014.60	694.30
<i>For EPR Insulation, Add</i>	433.88	
<i>For Hypalon (CSPE) Jacket, Add</i>	1,012.39	
26 05 19 16-0268 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	5,972.42	775.10
<i>For EPR Insulation, Add</i>	542.19	
<i>For Hypalon (CSPE) Jacket, Add</i>	1,265.10	
26 05 19 16-0269 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	6,721.47	861.78
<i>For EPR Insulation, Add</i>	619.18	
<i>For Hypalon (CSPE) Jacket, Add</i>	1,444.74	
26 05 19 16-0270 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	7,173.48	945.18
<i>For EPR Insulation, Add</i>	651.61	
<i>For Hypalon (CSPE) Jacket, Add</i>	1,520.42	
26 05 19 16-0271 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	8,401.17	1,039.02
<i>For EPR Insulation, Add</i>	800.40	
<i>For Hypalon (CSPE) Jacket, Add</i>	1,867.59	
26 05 19 16-0272 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	9,344.20	1,101.50
<i>For EPR Insulation, Add</i>	906.48	
<i>For Hypalon (CSPE) Jacket, Add</i>	2,115.13	
26 05 19 16-0273 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	10,431.77	1,231.11
<i>For EPR Insulation, Add</i>	1,034.25	
<i>For Hypalon (CSPE) Jacket, Add</i>	2,413.26	

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0274 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	11,857.62 1,212.76 2,829.78	1,369.19
26 05 19 16-0275 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	13,806.71 1,457.97 3,401.93	1,424.53
26 05 19 16-0276 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	21,916.02 2,603.63 6,075.14	1,479.78
26 05 19 16-0277 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	27,393.65 3,378.12 7,882.28	1,581.17
26 05 19 16-0278 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,043.13	282.78
26 05 19 16-0279 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,284.72	314.38
26 05 19 16-0280 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,603.79	377.57
26 05 19 16-0281 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,897.83	439.97
26 05 19 16-0282 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,735.40	471.10
26 05 19 16-0283 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	354.83	157.19
26 05 19 16-0284 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	442.75	172.91
26 05 19 16-0285 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	464.28	126.06
26 05 19 16-0286 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	573.60	150.27
26 05 19 16-0287 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	703.45	189.02
26 05 19 16-0288 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	974.15	249.15
26 05 19 16-0289 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,305.67	300.86
26 05 19 16-0290 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,701.58	355.56
26 05 19 16-0291 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,025.24	402.49
26 05 19 16-0292 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,406.00	450.74
26 05 19 16-0293 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,846.32	508.66
26 05 19 16-0294 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,309.64	557.00
26 05 19 16-0295 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,741.05	615.55
26 05 19 16-0296 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,399.65	651.07
26 05 19 16-0297 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,211.39	732.50
26 05 19 16-0298 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,085.70	779.26
26 05 19 16-0299 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,994.67	882.54
26 05 19 16-0300 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,968.20	976.70
26 05 19 16-0301 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,909.15	1,003.42
26 05 19 16-0302 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,505.29	1,061.58
26 05 19 16-0303 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,925.11	1,249.26
26 05 19 16-0304 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	19,491.88	1,479.78
26 05 19 16-0305 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	23,310.43	1,786.62
26 05 19 16-0306 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,828.34	377.57
26 05 19 16-0307 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,038.50	439.97
26 05 19 16-0308 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,359.97	503.40
26 05 19 16-0309 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,039.69	565.64
26 05 19 16-0310 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,440.65	628.76
26 05 19 16-0311 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,353.95	691.00
26 05 19 16-0312 Non-Metallic Sheathed Cable <small>(26 05 19 16-0312)</small>		
26 05 19 16-0313 Indoor Installation <small>(26 05 19 16-0312)</small> Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0314 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,741.40 223.96	597.24
26 05 19 16-0315 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,145.05 271.16	723.07
26 05 19 16-0316 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,931.58 241.68	679.05
26 05 19 16-0317 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,380.90 282.89	754.35
26 05 19 16-0318 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,416.23 283.04	754.74
26 05 19 16-0319 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,968.62 330.15	880.42
26 05 19 16-0320 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,092.09 321.85	903.84
26 05 19 16-0321 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,022.25 389.04	1,092.47
26 05 19 16-0322 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,726.74 365.46	1,029.59
26 05 19 16-0323 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,812.49 442.09	1,241.80
26 05 19 16-0324 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6,266.78 486.30	1,367.55
26 05 19 16-0325 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	8,763.44 530.51	1,485.44
26 05 19 16-0326 Direct Burial Cable <small>(26 05 19 16-0312)</small> Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0327 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,796.15	
26 05 19 16-0328 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,272.88	
26 05 19 16-0329 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,264.37	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0330	MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,645.24		
26 05 19 16-0331	MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,482.38		
26 05 19 16-0332	MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,115.87		
26 05 19 16-0333	MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,262.86		
26 05 19 16-0334	MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,100.49		
26 05 19 16-0335	MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,152.84		
26 05 19 16-0336	MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,938.88		
26 05 19 16-0337	SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0312)</small>			
26 05 19 16-0338	MLF 12-12-12 Cable SEU Copper.....	2,201.57		756.79
26 05 19 16-0339	MLF 10-10-10 Cable SEU Copper.....	2,702.78		859.69
26 05 19 16-0340	MLF 8-8-8 Cable SEU Copper.....	3,291.54		962.69
26 05 19 16-0341	MLF 6-6-8 Cable SEU Copper.....	3,888.01		1,032.07
26 05 19 16-0342	MLF 6-6-6 Cable SEU Copper.....	4,153.38		1,066.62
26 05 19 16-0343	MLF 4-4-6 Cable SEU Copper.....	4,976.23		1,169.61
26 05 19 16-0344	MLF 4-4-4 Cable SEU Copper.....	5,324.57		1,204.09
26 05 19 16-0345	MLF 3-3-5 Cable SEU Copper.....	6,136.33		1,306.56
26 05 19 16-0346	MLF 3-3-3 Cable SEU Copper.....	6,509.73		1,375.51
26 05 19 16-0347	MLF 2-2-4 Cable SEU Copper.....	6,937.90		1,444.89
26 05 19 16-0348	MLF 2-2-2 Cable SEU Copper.....	7,396.95		1,513.58
26 05 19 16-0349	MLF 1-1-1 Cable SEU Copper.....	8,966.31		1,719.39
26 05 19 16-0350	MLF 1/0-1/0-1/0 Cable SEU Copper.....	10,592.44		1,927.61
26 05 19 16-0351	MLF 2/0-2/0-2/0 Cable SEU Copper.....	12,656.46		2,170.98
26 05 19 16-0352	MLF 3/0-3/0-3/0 Cable SEU Copper.....	15,097.64		2,414.88
26 05 19 16-0353	MLF 4/0-4/0-4/0 Cable SEU Copper.....	16,869.95		2,694.96
26 05 19 16-0354	SER Cable Copper, 4 Conductor <small>(26 05 19 16-0312)</small>			
26 05 19 16-0355	MLF 6-6-6-6 Cable SER Copper.....	6,120.06		1,238.73
26 05 19 16-0356	MLF 4-4-4-6 Cable SER Copper.....	7,710.17		1,341.20
26 05 19 16-0357	MLF 3-3-3-5 Cable SER Copper.....	9,009.28		1,513.58
26 05 19 16-0358	MLF 2-2-2-4 Cable SER Copper.....	10,433.99		1,650.10
26 05 19 16-0359	MLF 1-1-1-3 Cable SER Copper.....	12,623.30		1,889.44
26 05 19 16-0360	MLF 1/0-1/0-1/0-2 Cable SER Copper.....	15,889.05		2,165.48
26 05 19 16-0361	MLF 2/0-2/0-2/0-1 Cable SER Copper.....	18,800.04		2,336.13
26 05 19 16-0362	MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	22,531.64		2,613.04
26 05 19 16-0363	Control Tray Cable, Low Voltage <small>(26 05 19 16-0011)</small>			
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.				
26 05 19 16-0364	MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	810.84		381.26
	<i>For Installation On Exposed Surface, Deduct</i>	-127.09		
26 05 19 16-0365	MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	936.34		426.49
	<i>For Installation On Exposed Surface, Deduct</i>	-142.16		
26 05 19 16-0366	MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	982.28		426.46
	<i>For Installation On Exposed Surface, Deduct</i>	-142.16		
26 05 19 16-0367	MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,229.79		534.90
	<i>For Installation On Exposed Surface, Deduct</i>	-178.30		
26 05 19 16-0368	MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,549.95		651.82
	<i>For Installation On Exposed Surface, Deduct</i>	-217.27		
26 05 19 16-0369	MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,770.98		716.79
	<i>For Installation On Exposed Surface, Deduct</i>	-238.93		
26 05 19 16-0370	MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,109.15		814.45
	<i>For Installation On Exposed Surface, Deduct</i>	-271.48		
26 05 19 16-0371	MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,669.82		995.48
	<i>For Installation On Exposed Surface, Deduct</i>	-331.83		
26 05 19 16-0372	MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,054.60		1,086.02
	<i>For Installation On Exposed Surface, Deduct</i>	-362.01		
26 05 19 16-0373	MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,629.06		1,119.97
	<i>For Installation On Exposed Surface, Deduct</i>	-373.32		
26 05 19 16-0374	MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,449.33		1,399.14
	<i>For Installation On Exposed Surface, Deduct</i>	-466.38		
26 05 19 16-0375	MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,339.70		1,635.16
	<i>For Installation On Exposed Surface, Deduct</i>	-545.05		
26 05 19 16-0376	MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	888.10		401.61
	<i>For Installation On Exposed Surface, Deduct</i>	-133.77		
26 05 19 16-0377	MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,030.13		448.93
	<i>For Installation On Exposed Surface, Deduct</i>	-149.64		
26 05 19 16-0378	MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,200.72		516.84
	<i>For Installation On Exposed Surface, Deduct</i>	-172.28		
26 05 19 16-0379	MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,361.27		563.05
	<i>For Installation On Exposed Surface, Deduct</i>	-187.68		
26 05 19 16-0380	MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,723.03		686.13
	<i>For Installation On Exposed Surface, Deduct</i>	-228.71		
26 05 19 16-0381	MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,977.95		754.51
	<i>For Installation On Exposed Surface, Deduct</i>	-251.50		
26 05 19 16-0382	MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,368.54		857.31
	<i>For Installation On Exposed Surface, Deduct</i>	-285.77		
26 05 19 16-0383	MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,009.74		1,047.83
	<i>For Installation On Exposed Surface, Deduct</i>	-349.28		

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0384 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	3,460.84 -381.03	1,143.08
26 05 19 16-0385 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	4,167.92 -392.97	1,178.92
26 05 19 16-0386 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	5,101.30 -490.90	1,472.71
26 05 19 16-0387 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	6,136.74 -573.74	1,721.22
26 05 19 16-0388 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	964.95 -139.74	419.22
26 05 19 16-0389 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,156.61 -157.19	471.57
26 05 19 16-0390 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,357.74 -179.67	539.01
26 05 19 16-0391 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,531.31 -193.50	580.50
26 05 19 16-0392 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	2,047.37 -237.20	711.59
26 05 19 16-0393 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	2,364.72 -262.04	785.95
26 05 19 16-0394 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	2,913.16 -292.37	877.11
26 05 19 16-0395 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	3,479.59 -349.28	1,047.67
26 05 19 16-0396 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	5,954.35 -405.71	1,217.43
26 05 19 16-0397 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	5,233.60 -474.55	1,423.35
26 05 19 16-0398 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	6,091.83 -530.20	1,590.60
26 05 19 16-0399 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	7,346.64 -619.64	1,858.91
26 05 19 16-0400 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,129.32 -149.64	448.93
26 05 19 16-0401 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,354.87 -165.52	496.72
26 05 19 16-0402 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,652.12 -190.51	571.54
26 05 19 16-0403 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,875.25 -202.77	608.33
26 05 19 16-0404 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	2,482.58 -241.76	725.27
26 05 19 16-0405 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	3,068.09 -285.77	857.31
26 05 19 16-0406 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	3,741.93 -322.39	967.19
26 05 19 16-0407 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	4,459.58 -369.87	1,109.60
26 05 19 16-0408 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	5,280.61 -419.22	1,257.67
26 05 19 16-0409 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	6,782.81 -489.96	1,469.87
26 05 19 16-0410 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	7,852.41 -572.64	1,717.92
26 05 19 16-0411 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	9,506.80 -669.31	2,007.93
26 05 19 16-0412 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,354.98 -157.19	471.57
26 05 19 16-0413 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	1,701.89 -172.28	517.15
26 05 19 16-0414 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	2,078.73 -196.49	589.46
26 05 19 16-0415 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	2,423.07 -213.15	639.44
26 05 19 16-0416 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	3,290.15 -267.54	802.61
26 05 19 16-0417 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	3,909.10 -299.45	898.34
26 05 19 16-0418 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	4,555.01 -349.28	1,047.83
26 05 19 16-0419 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	5,390.41 -399.42	1,198.25
26 05 19 16-0420 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	6,403.39 -452.71	1,358.11
26 05 19 16-0421 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	8,278.41 -529.10	1,587.29
26 05 19 16-0422 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	9,577.88 -618.38	1,855.15
26 05 19 16-0423 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Installation On Exposed Surface, Deduct</i>	11,622.87 -722.91	2,168.74

26 05 19 16-0424 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011)
Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0425 ACSR Cable <small>(26 05 19 16-0424)</small>				
26 05 19 16-0426	MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable	1,108.01	390.25	
26 05 19 16-0427	MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable	1,164.39	405.23	
26 05 19 16-0428	MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable	1,234.56	420.82	
26 05 19 16-0429	MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	1,291.42	436.07	
26 05 19 16-0430	MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable	1,390.75	450.85	
26 05 19 16-0431	MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable	1,600.93	511.08	
26 05 19 16-0432	MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable	1,822.56	569.97	
26 05 19 16-0433	MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable	2,060.72	629.65	
26 05 19 16-0434	MLF #1 Bare Aluminum Wire	1,547.11	542.61	
26 05 19 16-0435	MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable	2,512.25	809.19	
26 05 19 16-0436	MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable	2,868.26	928.21	
26 05 19 16-0437 All Aluminum Conductors <small>(26 05 19 16-0424)</small>				
26 05 19 16-0438	MLF 795.0 ACSR Conductor Aluminum	21,144.82	7,625.22	
26 05 19 16-0439 Single Conductor Installed On Poles <small>(26 05 19 16-0011)</small>				
26 05 19 16-0440 Bare Stranded Conductor <small>(26 05 19 16-0439)</small>				
26 05 19 16-0441	MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	954.35	330.65	
26 05 19 16-0442	MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,098.93	360.41	
26 05 19 16-0443	MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,244.48	390.53	
26 05 19 16-0444	MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,483.58	420.82	
26 05 19 16-0445	MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,760.91	451.21	
26 05 19 16-0446	MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,447.22	541.20	
26 05 19 16-0447	MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,797.43	601.17	
26 05 19 16-0448	MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,173.89	660.05	
26 05 19 16-0449	MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,183.70	782.85	
26 05 19 16-0450	MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,041.36	900.08	
26 05 19 16-0451	MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,449.47	1,020.09	
26 05 19 16-0452	MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	6,834.64	1,202.23	
26 05 19 16-0453	MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	7,016.78	1,265.54	
26 05 19 16-0454	MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,579.26	1,325.31	
26 05 19 16-0455	MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	9,420.43	1,379.70	
26 05 19 16-0456	MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	10,861.50	1,438.57	
26 05 19 16-0457 Insulated Stranded Conductor <small>(26 05 19 16-0439)</small>				
26 05 19 16-0458	MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,012.72	330.65	
26 05 19 16-0459	MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,174.25	360.41	
26 05 19 16-0460	MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,393.16	390.53	
26 05 19 16-0461	MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,511.73	420.82	
26 05 19 16-0462	MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,803.85	451.21	
26 05 19 16-0463	MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,385.21	541.20	
26 05 19 16-0464	MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,791.24	601.17	
26 05 19 16-0465	MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,260.23	660.05	
26 05 19 16-0466	MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,918.56	782.85	
26 05 19 16-0467	MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,671.78	900.08	
26 05 19 16-0468	MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,478.30	1,020.09	
26 05 19 16-0469	MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	6,658.23	1,202.23	
26 05 19 16-0470	MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,483.72	1,265.54	
26 05 19 16-0471	MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,162.72	1,325.31	
26 05 19 16-0472	MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,075.06	1,379.70	
26 05 19 16-0473	MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,126.93	1,438.57	
26 05 19 16-0474 Bare Solid Conductor <small>(26 05 19 16-0439)</small>				
26 05 19 16-0475	MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles	954.35	330.65	
26 05 19 16-0476	MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,244.48	390.53	
26 05 19 16-0477	MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,483.58	420.82	
26 05 19 16-0478	MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,743.17	451.21	
26 05 19 16-0479 Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>				
26 05 19 16-0480 Multi-Conductor Cords <small>(26 05 19 16-0479)</small>				
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.				
26 05 19 16-0481 Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0480)</small>				
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.				
26 05 19 16-0482 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0481)</small>				
26 05 19 16-0483 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0482)</small>				
26 05 19 16-0484	LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.93	0.34	
26 05 19 16-0485	LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.97	0.34	
26 05 19 16-0486	LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.11	0.34	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 19 16-0487	#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0482)</small>		
26 05 19 16-0488	LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.07	0.34
26 05 19 16-0489	LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.16	0.34
26 05 19 16-0490	LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.28	0.34
26 05 19 16-0491	#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0482)</small>		
26 05 19 16-0492	LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.23	0.34
26 05 19 16-0493	LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.37	0.34
26 05 19 16-0494	LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.63	0.34
26 05 19 16-0495	#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0482)</small>		
26 05 19 16-0496	LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.45	0.34
26 05 19 16-0497	LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.62	0.34
26 05 19 16-0498	LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.84	0.34
26 05 19 16-0499	#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0482)</small>		
26 05 19 16-0500	LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.94	0.43
26 05 19 16-0501	LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.05	0.43
26 05 19 16-0502	LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.22	0.43
26 05 19 16-0503	600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0481)</small>		
26 05 19 16-0504	#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0503)</small>		
26 05 19 16-0505	LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.98	0.34
26 05 19 16-0506	LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.07	0.34
26 05 19 16-0507	LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.20	0.34
26 05 19 16-0508	LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.16	0.46
26 05 19 16-0509	LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.37	0.48
26 05 19 16-0510	LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.53	0.49
26 05 19 16-0511	LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.80	0.50
26 05 19 16-0512	LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.24	0.53
26 05 19 16-0513	LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.72	0.54
26 05 19 16-0514	LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.98	0.55
26 05 19 16-0515	LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.07	0.57
26 05 19 16-0516	LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.22	0.58
26 05 19 16-0517	LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.83	0.59
26 05 19 16-0518	LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.41	0.60
26 05 19 16-0519	LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.72	0.64
26 05 19 16-0520	#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0503)</small>		
26 05 19 16-0521	LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.16	0.34
26 05 19 16-0522	LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.24	0.34
26 05 19 16-0523	LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.41	0.34
26 05 19 16-0524	LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.27	0.46
26 05 19 16-0525	LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.52	0.48
26 05 19 16-0526	LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.76	0.49
26 05 19 16-0527	LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.09	0.50
26 05 19 16-0528	LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.21	0.51
26 05 19 16-0529	LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.59	0.53
26 05 19 16-0530	LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.22	0.54
26 05 19 16-0531	LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.54	0.55
26 05 19 16-0532	LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.16	0.57
26 05 19 16-0533	LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.00	0.58
26 05 19 16-0534	LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.76	0.59
26 05 19 16-0535	LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.22	0.60
26 05 19 16-0536	LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.06	0.62
26 05 19 16-0537	LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.58	0.64
26 05 19 16-0538	#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0503)</small>		
26 05 19 16-0539	LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.39	0.34
26 05 19 16-0540	LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.49	0.34
26 05 19 16-0541	LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.72	0.34
26 05 19 16-0542	LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.01	0.46
26 05 19 16-0543	LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.64	0.48
26 05 19 16-0544	LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.85	0.49
26 05 19 16-0545	LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.37	0.50
26 05 19 16-0546	LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.71	0.51
26 05 19 16-0547	LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.28	0.53
26 05 19 16-0548	LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.82	0.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0549 LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.45	0.55
26 05 19 16-0550 LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.80	0.57
26 05 19 16-0551 LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.78	0.59
26 05 19 16-0552 LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.39	0.60
26 05 19 16-0553 LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.32	0.64
26 05 19 16-0554 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0503)		
26 05 19 16-0555 LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.63	0.34
26 05 19 16-0556 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.81	0.34
26 05 19 16-0557 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.99	0.34
26 05 19 16-0558 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.48	0.46
26 05 19 16-0559 LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.06	0.48
26 05 19 16-0560 LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.66	0.49
26 05 19 16-0561 LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.32	0.50
26 05 19 16-0562 LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.77	0.51
26 05 19 16-0563 LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.56	0.53
26 05 19 16-0564 LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.50	0.54
26 05 19 16-0565 LF 14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.37	0.55
26 05 19 16-0566 LF 16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.24	0.57
26 05 19 16-0567 LF 18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.66	0.58
26 05 19 16-0568 LF 20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.17	0.59
26 05 19 16-0569 LF 24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.72	0.60
26 05 19 16-0570 LF 26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.27	0.62
26 05 19 16-0571 LF 28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.76	0.63
26 05 19 16-0572 LF 30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.31	0.64
26 05 19 16-0573 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0503)		
26 05 19 16-0574 LF 2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.89	0.43
26 05 19 16-0575 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.04	0.43
26 05 19 16-0576 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.21	0.43
26 05 19 16-0577 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.98	0.46
26 05 19 16-0578 LF 6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.02	0.48
26 05 19 16-0579 LF 7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.94	0.49
26 05 19 16-0580 LF 10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.70	0.53
26 05 19 16-0581 LF 12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.85	0.54
26 05 19 16-0582 LF 16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.35	0.57
26 05 19 16-0583 LF 20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.64	0.59
26 05 19 16-0584 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0503)		
26 05 19 16-0585 LF 3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.92	0.51
26 05 19 16-0586 LF 4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.27	0.60
26 05 19 16-0587 LF 5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.92	0.60
26 05 19 16-0588 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0503)		
26 05 19 16-0589 LF 3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.72	0.60
26 05 19 16-0590 LF 4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.91	0.69
26 05 19 16-0591 LF 5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.30	0.86
26 05 19 16-0592 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0503)		
26 05 19 16-0593 LF 3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.19	0.86
26 05 19 16-0594 LF 4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.10	0.94
26 05 19 16-0595 LF 5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.23	1.03
26 05 19 16-0596 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0503)		
26 05 19 16-0597 LF 3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.57	1.72
26 05 19 16-0598 LF 4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.29	2.14
26 05 19 16-0599 LF 5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	20.78	2.84
26 05 19 16-0600 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0481)		
26 05 19 16-0601 #18, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0600)		
26 05 19 16-0602 LF 2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.28	0.34
26 05 19 16-0603 LF 3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.43	0.34
26 05 19 16-0604 LF 4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.73	0.34
26 05 19 16-0605 #16, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0600)		
26 05 19 16-0606 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.38	0.34
26 05 19 16-0607 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.61	0.34

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0608 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.72	0.34
26 05 19 16-0609 #14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0600)</small>		
26 05 19 16-0610 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.97	0.34
26 05 19 16-0611 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.94	0.34
26 05 19 16-0612 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.80	0.43
26 05 19 16-0613 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0481)</small>		
26 05 19 16-0614 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0613)</small>		
26 05 19 16-0615 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.89	0.34
26 05 19 16-0616 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.30	0.34
26 05 19 16-0617 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.73	0.34
26 05 19 16-0618 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0613)</small>		
26 05 19 16-0619 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.04	0.34
26 05 19 16-0620 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.45	0.34
26 05 19 16-0621 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.11	0.34
26 05 19 16-0622 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.37	0.43
26 05 19 16-0623 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0613)</small>		
26 05 19 16-0624 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.55	0.34
26 05 19 16-0625 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.09	0.34
26 05 19 16-0626 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.46	0.43
26 05 19 16-0627 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0613)</small>		
26 05 19 16-0628 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.06	0.34
26 05 19 16-0629 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.53	0.34
26 05 19 16-0630 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.95	0.43
26 05 19 16-0631 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0613)</small>		
26 05 19 16-0632 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.52	0.43
26 05 19 16-0633 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.94	0.43
26 05 19 16-0634 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.36	0.43
26 05 19 16-0635 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0480)</small>		
Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0636 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0635)</small>		
26 05 19 16-0637 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0636)</small>		
26 05 19 16-0638 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.39	0.34
26 05 19 16-0639 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.55	0.34
26 05 19 16-0640 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.44	0.43
26 05 19 16-0641 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0636)</small>		
26 05 19 16-0642 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.89	0.34
26 05 19 16-0643 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.20	0.34
26 05 19 16-0644 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.22	0.43
26 05 19 16-0645 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0636)</small>		
26 05 19 16-0646 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.39	0.34
26 05 19 16-0647 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.79	0.34
26 05 19 16-0648 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.55	0.43
26 05 19 16-0649 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0636)</small>		
26 05 19 16-0650 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.07	0.43
26 05 19 16-0651 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.55	0.43
26 05 19 16-0652 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.81	0.43
26 05 19 16-0653 Multi-Conductor Type W Cord <small>(26 05 19 16-0480)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0654 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0653)</small>		
26 05 19 16-0655 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0654)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0656 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.32	0.51
26 05 19 16-0657 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.65	0.60
26 05 19 16-0658 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.54	0.60
26 05 19 16-0659 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0654)</small>		
26 05 19 16-0660 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.63	0.60
26 05 19 16-0661 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.53	0.69
26 05 19 16-0662 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.89	0.86
26 05 19 16-0663 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0654)</small>		
26 05 19 16-0664 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.41	0.60
26 05 19 16-0665 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.57	0.69
26 05 19 16-0666 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.77	0.86
26 05 19 16-0667 Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0479)</small>		
26 05 19 16-0668 Cord Grips <small>(26 05 19 16-0667)</small>		
26 05 19 16-0669 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	53.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.63	
26 05 19 16-0670 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	54.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.63	
26 05 19 16-0671 Cable Reels <small>(26 05 19 16-0667)</small>		
<i>Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0479 for cords.</i>		
26 05 19 16-0672 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	514.56	42.98
26 05 19 16-0673 EA 50', 10-4, SEOOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,435.41	42.98
26 05 19 16-0674 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,071.40	42.98
26 05 19 16-0675 Extension Cords <small>(26 05 19 16-0667)</small>		
26 05 19 16-0676 EA Extension Cord, 120 Volt 12/3, 100 Ft.....	86.61	
26 05 19 16-0677 EA Extension Cord, 240 Volt 10/3, 100 Ft.....	130.35	
26 05 19 16-0678 Plugs And Connector Bodies <small>(26 05 19 16-0667)</small>		
<i>Note: Up to 277 volts.</i>		
26 05 19 16-0679 NEMA Twist-Lock Plugs <small>(26 05 19 16-0678)</small>		
26 05 19 16-0680 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	60.27	
26 05 19 16-0681 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	61.60	
26 05 19 16-0682 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	56.00	
26 05 19 16-0683 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	60.10	
26 05 19 16-0684 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	79.33	
26 05 19 16-0685 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	84.54	
26 05 19 16-0686 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL251BK).....	89.64	
26 05 19 16-0687 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL261BK).....	80.10	
26 05 19 16-0688 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL271BK).....	92.63	
26 05 19 16-0689 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	95.07	
26 05 19 16-0690 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL281BK).....	98.17	
26 05 19 16-0691 NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0678)</small>		
26 05 19 16-0692 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	64.04	
26 05 19 16-0693 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	68.75	
26 05 19 16-0694 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	58.83	
26 05 19 16-0695 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	80.10	
26 05 19 16-0696 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	93.85	
26 05 19 16-0697 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	100.50	
26 05 19 16-0698 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	122.88	
26 05 19 16-0699 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	117.23	
26 05 19 16-0700 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	145.27	
26 05 19 16-0701 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	152.69	
26 05 19 16-0702 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	144.60	
26 05 19 16-0703 Watertight Pin And Sleeve Plug <small>(26 05 19 16-0678)</small>		
26 05 19 16-0704 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	159.12	25.80
26 05 19 16-0705 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	160.68	25.80
26 05 19 16-0706 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	172.79	25.80
26 05 19 16-0707 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	174.30	28.37
26 05 19 16-0708 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	171.95	28.37
26 05 19 16-0709 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	172.65	28.37
26 05 19 16-0710 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	239.05	31.72
26 05 19 16-0711 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	233.20	31.72
26 05 19 16-0712 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	258.33	31.72
26 05 19 16-0713 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	255.56	34.82

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0714	EA		30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	245.40	34.82
26 05 19 16-0715	EA		30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	252.39	34.82
26 05 19 16-0716	EA		60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	323.91	41.27
26 05 19 16-0717	EA		60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	329.48	41.27
26 05 19 16-0718	EA		60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	316.27	41.27
26 05 19 16-0719	EA		60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	359.66	45.91
26 05 19 16-0720	EA		60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	350.99	45.91
26 05 19 16-0721	EA		60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	354.74	45.91
26 05 19 16-0722	EA		100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	442.07	51.58
26 05 19 16-0723	EA		100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	463.59	51.58
26 05 19 16-0724	EA		100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	455.09	56.74
26 05 19 16-0725	EA		100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	447.74	56.74
26 05 19 16-0726	EA		100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	451.71	56.74

26 05 19 16-0727 Watertight Pin And Sleeve Connector (26 05 19 16-0678)

26 05 19 16-0728	EA		20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	168.09	25.80
26 05 19 16-0729	EA		20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	169.17	25.80
26 05 19 16-0730	EA		20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	197.06	25.80
26 05 19 16-0731	EA		20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	196.90	28.37
26 05 19 16-0732	EA		20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	194.07	28.37
26 05 19 16-0733	EA		20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	196.63	28.37
26 05 19 16-0734	EA		30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	244.41	31.72
26 05 19 16-0735	EA		30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	244.35	31.72
26 05 19 16-0736	EA		30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	253.97	31.72
26 05 19 16-0737	EA		30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	252.95	34.82
26 05 19 16-0738	EA		30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	254.93	34.82
26 05 19 16-0739	EA		30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	252.84	34.82
26 05 19 16-0740	EA		60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	378.88	41.27
26 05 19 16-0741	EA		60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	367.10	41.27
26 05 19 16-0742	EA		60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	360.08	41.27
26 05 19 16-0743	EA		60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	392.38	45.91
26 05 19 16-0744	EA		60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	402.62	45.91
26 05 19 16-0745	EA		60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	403.37	45.91
26 05 19 16-0746	EA		100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	502.37	51.58
26 05 19 16-0747	EA		100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	515.88	51.58
26 05 19 16-0748	EA		100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	557.93	56.74
26 05 19 16-0749	EA		100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	539.37	56.74
26 05 19 16-0750	EA		100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	545.70	56.74

26 05 19 16-0751 Accessories (26 05 19 16-0667)

26 05 19 16-0752	EA		1/2" Straight Steel Cord Connector	36.33	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 19 16-0753	EA		1/2" Straight Nylon Cord Connector	22.47	6.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 05 19 16-0754	EA		1/2" 90 Degree Steel Cord Connector	42.06	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 19 16-0755	EA		1/2" 90 Degree Nylon Cord Connector	27.48	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 19 16-0756	EA		1/2" Straight Steel Cord Connector With Strain Relief Mesh	41.59	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 19 16-0757	EA		1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	68.98	12.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 05 19 16-0758	EA		1/2" Straight Nylon Cord Connector With Strain Relief Mesh	27.11	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 19 16-0759	EA		1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	43.81	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 19 16-0760	EA		3/4" Straight Steel Cord Connector	37.68	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 19 16-0761	EA		3/4" Straight Nylon Cord Connector	23.14	6.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 05 19 16-0762	EA		3/4" 90 Degree Steel Cord Connector	46.26	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 19 16-0763	EA		3/4" 90 Degree Nylon Cord Connector	29.59	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 19 16-0764	EA		3/4" Straight Steel Cord Connector With Strain Relief Mesh	47.30	12.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 05 19 16-0765	EA		3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	56.10	15.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 19 16-0766	EA		3/4" Straight Nylon Cord Connector With Strain Relief Mesh	32.83	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 19 16-0767	EA		3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	39.61	12.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 05 19 16-0768	EA		1" Straight Steel Cord Connector	46.32	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 19 16-0769	EA		1" Straight Nylon Cord Connector	27.46	6.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 05 19 16-0770	EA		1" 90 Degree Steel Cord Connector	51.97	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 19 16-0771	EA		1" 90 Degree Nylon Cord Connector	32.44	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0772 EA 1" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.37 7.74	12.90
26 05 19 16-0773 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.09 9.03	15.04
26 05 19 16-0774 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.43 6.45	10.74
26 05 19 16-0775 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.50 7.74	12.90

26 05 19 23 Manufactured Wiring Assemblies (26 05 19)

26 05 19 23-0001 Festoon Cable Systems Complete System <small>(26 05 19 23)</small>		
26 05 19 23-0002 Components <small>(26 05 19 23-0001)</small>		
26 05 19 23-0003 LF 20' C Channel Type Track, Galvanized Steel Festoon Cable System Components.....	11.63	5.16
26 05 19 23-0004 EA Channel Track Hanger, Plated Steel Festoon Cable System Components.....	46.17	18.91
26 05 19 23-0005 EA Channel Track Joint Clamp Assembly Festoon Cable System Components.....	37.92	18.91
26 05 19 23-0006 EA End Stop For Channel Track Festoon Cable System Components.....	9.66	4.30
26 05 19 23-0007 EA End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System.....	48.29	21.50
26 05 19 23-0008 EA Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable.....	42.39	1.72
26 05 19 23-0009 EA Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable.....	48.56	1.72
26 05 19 23-0010 EA J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components.....	285.74	107.46
26 05 19 23-0011 EA Watertight Connector For Flat Cable Festoon Cable System Components.....	26.07	8.61

26 05 19 23-0012 Cable (26 05 19 23-0001)

26 05 19 23-0013 LF 12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.89	1.72
26 05 19 23-0014 LF 12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	6.35	1.72
26 05 19 23-0015 LF 8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.43	1.72
26 05 19 23-0016 LF 8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.47	1.72
26 05 19 23-0017 LF 7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.95	1.72
26 05 19 23-0018 LF 4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.53	1.72
26 05 19 23-0019 LF 4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.78	1.72

26 05 19 23-0020 Complete Systems (26 05 19 23-0001)

26 05 19 23-0021 EA Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment..... <i>Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.</i>	4,775.42	1,719.39
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26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For Sound System (26 05 23)

26 05 23 00-0002 Shielded Conductors (26 05 23 00-0001)

Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.

26 05 23 00-0003 MLF 1 Pair #20 AWG Sound System, Placed In Conduit, Shielded.....	722.07	314.38
26 05 23 00-0004 MLF 1 Pair #14 AWG Sound System, Placed In Conduit, Shielded.....	1,119.58	314.38
26 05 23 00-0005 MLF 3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded.....	941.99	186.34
26 05 23 00-0006 MLF 6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded.....	990.37	190.51

26 05 23 00-0007 Cable For HVAC System Controls (26 05 23)

26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts (26 05 23 00-0007)

Note: For surface or conduit installation.

26 05 23 00-0009 MLF #20/2 Conductor, Low Volt Thermostat Cable.....	345.03	100.21
26 05 23 00-0010 MLF #20/3 Conductor, Low Volt Thermostat Cable.....	394.96	105.55
26 05 23 00-0011 MLF #20/4 Conductor, Low Volt Thermostat Cable.....	428.42	111.61
26 05 23 00-0012 MLF #20/5 Conductor, Low Volt Thermostat Cable.....	515.62	116.32
26 05 23 00-0013 MLF #20/6 Conductor, Low Volt Thermostat Cable.....	540.76	121.82
26 05 23 00-0014 MLF #20/7 Conductor, Low Volt Thermostat Cable.....	595.75	126.89
26 05 23 00-0015 MLF #20/8 Conductor, Low Volt Thermostat Cable.....	643.38	131.96
26 05 23 00-0016 MLF #20/9 Conductor, Low Volt Thermostat Cable.....	699.25	137.23
26 05 23 00-0017 MLF #20/10 Conductor, Low Volt Thermostat Cable.....	753.07	141.34
26 05 23 00-0018 MLF #18/2 Conductor, Low Volt Thermostat Cable.....	375.76	100.21
26 05 23 00-0019 MLF #18/3 Conductor, Low Volt Thermostat Cable.....	449.79	105.55
26 05 23 00-0020 MLF #18/4 Conductor, Low Volt Thermostat Cable.....	515.41	111.61
26 05 23 00-0021 MLF #18/5 Conductor, Low Volt Thermostat Cable.....	551.53	116.32
26 05 23 00-0022 MLF #18/6 Conductor, Low Volt Thermostat Cable.....	612.90	121.82
26 05 23 00-0023 MLF #18/7 Conductor, Low Volt Thermostat Cable.....	628.87	126.89
26 05 23 00-0024 MLF #18/8 Conductor, Low Volt Thermostat Cable.....	693.92	131.96
26 05 23 00-0025 MLF #18/9 Conductor, Low Volt Thermostat Cable.....	820.53	137.23
26 05 23 00-0026 MLF #18/10 Conductor, Low Volt Thermostat Cable.....	902.65	141.34

26 05 26 Grounding And Bonding For Electrical Systems (26 05)

26 Electrical

26 05 Common Work Results For Electrical

26 05 26 Grounding And Bonding For Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 26 00-0001		Conductors, Straps And Conduit Jumpers <small>(26 05 26)</small>			
26 05 26 00-0002		Single Conductor <small>(26 05 26 00-0001)</small>			
26 05 26 00-0003		Copper Bare Stranded Conductors <small>(26 05 26 00-0002)</small>			
26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	414.95		166.49
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	533.92		166.49
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	653.58		200.55
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	870.24		200.55
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	1,143.41		242.18
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	1,754.09		242.18
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	2,018.55		291.37
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	2,363.80		291.37
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	3,272.27		367.05
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	4,014.28		367.05
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	4,284.61		488.14
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	5,457.95		488.14
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	5,493.05		563.81
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	7,332.15		563.81
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	9,963.44		696.25
26 05 26 00-0019		Copper Insulated Single Stranded Conductors <small>(26 05 26 00-0002)</small>			
26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	729.62		227.04
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	790.27		227.04
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,000.97		227.04
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,148.52		393.54
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	1,530.01		393.54
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	2,131.24		393.54
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	2,560.65		688.69
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	3,108.90		688.69
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	3,620.35		688.69
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	4,283.37		688.69
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	5,026.83		900.59
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	6,040.33		900.59
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	7,008.74		900.59
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	8,267.20		1,400.08
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	10,716.63		1,400.08
26 05 26 00-0035		Copper Bare Single Solid Conductors <small>(26 05 26 00-0002)</small>			
26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	414.95		166.49
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	533.92		166.49
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	653.58		200.55
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	870.24		200.55
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,143.41		242.18
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	1,754.09		242.18
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	2,363.80		291.37
26 05 26 00-0043	MLF	4/0 AWG Copper Bare Single Solid Conductor	4,284.61		385.97
26 05 26 00-0044		Aluminum Bare Single Stranded Conductors <small>(26 05 26 00-0002)</small>			
26 05 26 00-0045	MLF	8 AWG Aluminum Bare Single Stranded Conductor	493.54		200.55
26 05 26 00-0046	MLF	6 AWG Aluminum Bare Single Stranded Conductor	540.83		200.55
26 05 26 00-0047	MLF	4 AWG Aluminum Bare Single Stranded Conductor	614.02		242.18
26 05 26 00-0048	MLF	2 AWG Aluminum Bare Single Stranded Conductor	762.78		242.18
26 05 26 00-0049	MLF	1 AWG Aluminum Bare Single Stranded Conductor	874.96		291.37
26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,002.09		291.37
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	1,143.06		367.05
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	1,312.28		367.05
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	1,563.01		488.14
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	1,748.22		488.14
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	2,067.97		563.81
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	2,341.29		563.81
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	2,758.15		696.25
26 05 26 00-0058		Aluminum Bare Single Solid Conductors <small>(26 05 26 00-0002)</small>			
26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	493.54		200.55
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	540.83		200.55
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	614.02		242.18
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	762.78		242.18
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	844.42		385.97
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,002.09		385.97
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	1,067.40		367.05
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	1,159.93		367.05
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	1,563.01		488.14
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	1,748.22		488.14
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	2,067.97		563.81
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	2,341.29		563.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor.....	2,758.15	696.25
26 05 26 00-0072 Aluminum Smooth Woven Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.84	0.59
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.04	0.65
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.40	0.75
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.36	0.76
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.54	0.80
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap <small>(26 05 26 00-0001)</small>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	92.19	21.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.89	
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	156.14	25.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.47	
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	198.01	25.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.47	
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	239.30	25.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.47	
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	209.58	27.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	19.34	
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	269.80	27.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	19.34	
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	322.13	27.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	19.34	
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	271.11	35.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	21.28	
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	326.12	42.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.79	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit.....	127.10	47.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	26.87	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit.....	156.58	47.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	33.07	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit.....	225.47	73.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	39.08	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit.....	329.10	73.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	47.76	
26 05 26 00-0093 Ground Rods <small>(26 05 26)</small>		
26 05 26 00-0094 Copper-Clad Ground Rods <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	75.47	64.48
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	78.97	64.48
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	93.10	64.48
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	88.97	64.48
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	93.35	64.48
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	111.01	64.48
26 05 26 00-0101 Copper Grounding Shaft <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	243.83	64.48
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	303.23	64.48
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	469.69	64.48
26 05 26 00-0105 Ground Access Wells <small>(26 05 26 00-0093)</small>		
26 05 26 00-0106 Precast Ground Access Wells <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well	165.30	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well	172.72	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well	459.28	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well	466.71	
Note: With cast iron grate.		
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	279.54	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	326.41	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	593.33	
Note: Schedule 40 with cast iron grated cover.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	267.86	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	270.85	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	569.67	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	155.63	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	166.56	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	175.65	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	122.96	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	175.98	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	300.99	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	395.25	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	245.66	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	350.02	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	366.07	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	445.85	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	204.33	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	346.17	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	372.00	
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	292.75	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	319.86	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	321.71	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	351.49	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	351.75	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	384.43	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	464.42	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	508.81	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	113.94	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	156.91	
26 05 26 00-0144 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0145 Bronze Ground Rod Clamp (26 05 26 00-0144)		
26 05 26 00-0146 EA 1/2" Bronze Ground Rod Clamp.....	17.86	9.71
26 05 26 00-0147 EA 5/8" Bronze Ground Rod Clamp.....	18.74	9.71
26 05 26 00-0148 EA 3/4" Bronze Ground Rod Clamp.....	19.99	9.71
26 05 26 00-0149 Bronze Pipe Clamps (26 05 26 00-0144)		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	23.73	16.16
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	30.73	19.34
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	48.64	22.61
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	58.84	29.06
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe.....	91.24	41.95
26 05 26 00-0155 Grounding Fittings (26 05 26 00-0144)		
26 05 26 00-0156 Embedded Fittings (26 05 26 00-0155)		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	120.29	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	128.29	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	142.47	
26 05 26 00-0160 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	114.41	
26 05 26 00-0161 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	137.06	
26 05 26 00-0162 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	160.87	
26 05 26 00-0163 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	181.53	
26 05 26 00-0164 Ground Rod Receptacle (26 05 26 00-0155)		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle.....	260.29	89.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle	272.41	91.93
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle	284.79	94.43
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels (26 05 26 00-0155)		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit	58.04	21.50
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit	49.61	21.50
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit	64.76	21.50
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit	54.25	21.50
26 05 26 00-0173 Insulated Grounding Bars (26 05 26 00-0144)		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10".....	247.23	21.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.69	
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	260.21	21.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.69	
26 05 26 00-0176 Ground Conductor Bonding (26 05 26)		
26 05 26 00-0177 Ground Conductor Bonding (26 05 26 00-0176)		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0177)		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	103.83	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	112.42	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	121.02	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	172.60	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0183 Tee, Wye Or Cross Cadweld (26 05 26 00-0177)		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	116.72	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	133.92	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	164.01	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	198.39	
<i>Note: Includes molds, materials and all necessary tools to make connections.</i>		
26 05 26 00-0188 Grounding Equipment (26 05 26)		
26 05 26 00-0189 Special Grounding Equipment (26 05 26 00-0188)		
26 05 26 00-0190 Ground Reels And Ground Bus (26 05 26 00-0189)		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable.....	592.48	
26 05 26 00-0192 Copper Bars (26 05 26 00-0189)		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar	34.00	
26 05 26 00-0194 Phenolic Insulators (26 05 26 00-0189)		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators	23.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 26 00-0196 Grounding Studs (26 05 26 00-0189)		
26 05 26 00-0197 EA Ball Grounding Stud.....	33.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 05 26 00-0198 Equipment Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0199 EA Switch Rating 30 Ground Bar Kit	26.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 05 26 00-0200 EA Switch Rating 60 Ground Bar Kit	33.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 26 00-0201 EA Switch Rating 100 Ground Bar Kit	39.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 05 26 00-0202 EA Switch Rating 200 Ground Bar Kit	69.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 05 26 00-0203 Panelboard Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0204 EA Panelboard Ground Bar Kit.....	102.14	6.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0205 Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0206 EA 3 Circuit, Ground Bar Kit.....	21.94	3.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	
26 05 26 00-0207 EA 4 Circuit, Ground Bar Kit.....	21.52	3.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	
26 05 26 00-0208 EA 7 Circuit, Ground Bar Kit.....	22.22	3.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	
26 05 26 00-0209 EA 12 Circuit, Ground Bar Kit.....	25.18	4.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 26 00-0210 EA 20 Circuit, Ground Bar Kit.....	28.71	4.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit.....	31.68	5.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit.....	35.37	6.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit.....	40.89	7.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	45.72	5.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	50.52	6.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	56.19	7.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 29 Hangers And Supports For Electrical Systems <small>(26 05)</small>		
26 05 29 00-0001 Metal Framing Channel And Fittings <small>(26 05 29)</small>		
26 05 29 00-0002 Metal Framing Channel <small>(26 05 29 00-0001)</small>		
26 05 29 00-0003 14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004 14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	15.08	4.71
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	16.77	4.71
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	7.62	1.77
26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	22.12	4.71
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	24.16	4.71
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	30.86	4.71
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	34.94	4.71
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	14.66	1.77
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	16.70	1.77
26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	30.92	4.71
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	48.46	4.71
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	23.46	1.77
26 05 29 00-0019 12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0020 12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	16.07	4.71
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	15.73	4.71
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	15.51	4.71
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	18.75	4.71
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	18.08	4.71
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	17.65	4.71
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	8.61	1.77
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	8.27	1.77
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	8.05	1.77
26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	24.83	4.71
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	28.35	4.71
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	36.28	4.71
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	43.32	4.71
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	17.37	1.77
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	20.89	1.77
26 05 29 00-0037 Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>		
26 05 29 00-0038 Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small>		
26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings.....	4.25	0.43
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings.....	9.94	4.31
26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel	13.87	4.31
26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.31	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.28	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.16	
26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	10.21	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	15.00	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	19.05	
26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	4.18	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.54	
26 05 29 00-0057 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.93	
26 05 29 00-0058 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.85	
26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.02	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	7.43	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.36	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	8.86	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.13	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	14.67	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	8.53	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.19	
26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0069 Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	8.37	
26 05 29 00-0071 U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0072 Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0073 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	4.82	
26 05 29 00-0074 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.52	
26 05 29 00-0075 Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	12.11	
26 05 29 00-0077 Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0078 Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0079 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	8.59	
26 05 29 00-0080 Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0081 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	23.16	
26 05 29 00-0082 Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex screw and nut.		
26 05 29 00-0083 Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0084 EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.52	1.29
26 05 29 00-0085 EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.54	1.29
26 05 29 00-0086 EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.61	1.29
26 05 29 00-0087 EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.57	1.73
26 05 29 00-0088 EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.96	1.73
26 05 29 00-0089 EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.00	1.73

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0090 EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.14	2.15
26 05 29 00-0091 EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.48	2.15
26 05 29 00-0092 EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.81	2.15
26 05 29 00-0093 EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.92	2.15
26 05 29 00-0094 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0095 EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.15	1.29
26 05 29 00-0096 EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.68	1.29
26 05 29 00-0097 EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.21	1.29
26 05 29 00-0098 EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.78	1.73
26 05 29 00-0099 EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.26	1.73
26 05 29 00-0100 EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.65	1.73
26 05 29 00-0101 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.63	2.15
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.95	2.15
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.51	2.15
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.61	2.15
26 05 29 00-0105 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.47	1.29
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.23	1.29
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.44	1.29
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.88	1.73
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.47	1.73
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.60	1.73
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.63	2.15
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.30	2.15
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.08	2.15
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.00	2.15
26 05 29 00-0116 Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0117 Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting.....	25.61	7.86
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	20.44	7.86
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	24.84	7.86
26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings <small>(26 05 29 00-0116)</small>		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	31.53	7.86
26 05 29 00-0123 Square Washers For Unistrut Channel <small>(26 05 29 00-0037)</small>		
26 05 29 00-0124 Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	3.07	
26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.12	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	3.85	
26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel.....	23.16	
26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel	28.87	
26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex bolt.		
26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.62	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.08	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.43	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel	8.31	
26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
Note: Includes hex bolt.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	9.46	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	9.96	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	13.37	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.64	
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		
26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	5.63	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	6.15	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	6.46	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	8.86	
26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	7.27	
26 05 29 00-0152 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	8.41	
26 05 29 00-0153 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	9.01	
26 05 29 00-0154 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	21.12	
26 05 29 00-0155 Mounting Assemblies (26 05 29)		
26 05 29 00-0156 Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157 Galvanized Steel Back Plate (26 05 29 00-0156)		
26 05 29 00-0158 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	318.44	51.58
26 05 29 00-0159 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted.....	79.95	17.20
26 05 29 00-0160 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted.....	202.26	42.98
26 05 29 00-0161 Aluminum Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0162 Aluminum Back Plate (26 05 29 00-0161)		
26 05 29 00-0163 EA 3/16" x 2' x 2' Aluminum Back Plate.....	185.40	64.48
26 05 29 00-0164 EA 3/16" x 4' x 4' Aluminum Back Plate.....	427.68	64.48
26 05 29 00-0165 Supports (26 05 29)		
26 05 29 00-0166 One Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0167 EA 1/2", One Hole Steel Conduit Strap.....	3.06	
For Work In Restricted Working Space, Add		
		0.83
For Installation On Concrete (Includes Drilling And Fastener), Add		
		0.79
For >50 To 100, Deduct		
		-0.15
For >100 To 250, Deduct		
		-0.29
For >250 To 500, Deduct		
		-0.57
For >500, Deduct		
		-0.86
26 05 29 00-0168 EA 3/4", One Hole Steel Conduit Strap.....	3.10	
For Work In Restricted Working Space, Add		
		0.83
For Installation On Concrete (Includes Drilling And Fastener), Add		
		0.79
For >50 To 100, Deduct		
		-0.15
For >100 To 250, Deduct		
		-0.29
For >250 To 500, Deduct		
		-0.58
For >500, Deduct		
		-0.86
26 05 29 00-0169 EA 1", One Hole Steel Conduit Strap.....	3.27	
For Work In Restricted Working Space, Add		
		0.83
For Installation On Concrete (Includes Drilling And Fastener), Add		
		0.79
For >50 To 100, Deduct		
		-0.15
For >100 To 250, Deduct		
		-0.30
For >250 To 500, Deduct		
		-0.59
For >500, Deduct		
		-0.88
26 05 29 00-0170 EA 1-1/4", One Hole Steel Conduit Strap.....	3.40	
For Work In Restricted Working Space, Add		
		0.83
For Installation On Concrete (Includes Drilling And Fastener), Add		
		0.79
For >50 To 100, Deduct		
		-0.15
For >100 To 250, Deduct		
		-0.31
For >250 To 500, Deduct		
		-0.60
For >500, Deduct		
		-0.89
26 05 29 00-0171 EA 1-1/2", One Hole Steel Conduit Strap.....	3.48	
For Work In Restricted Working Space, Add		
		0.83
For Installation On Concrete (Includes Drilling And Fastener), Add		
		0.79
For >50 To 100, Deduct		
		-0.16
For >100 To 250, Deduct		
		-0.31
For >250 To 500, Deduct		
		-0.61
For >500, Deduct		
		-0.90

26 Electrical

26 05 Common Work Results For Electrical

26 05 29 Hangers And Supports For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0172	EA		2", One Hole Steel Conduit Strap.....	4.00	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0173	EA		2-1/2", One Hole Steel Conduit Strap	4.53	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.01	
26 05 29 00-0174	EA		3", One Hole Steel Conduit Strap.....	4.71	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.02	
26 05 29 00-0175	EA		3-1/2", One Hole Steel Conduit Strap	5.58	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0176	EA		4", One Hole Steel Conduit Strap.....	6.27	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0177			One Hole Iron Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0178	EA		1/2", One Hole Iron Conduit Strap.....	3.15	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap.....	3.23	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap.....	3.38	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.89	
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap	3.74	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0182	EA		1-1/2", One Hole Iron Conduit Strap	3.89	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0183	EA		2", One Hole Iron Conduit Strap.....	4.81	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0184	EA		2-1/2", One Hole Iron Conduit Strap	6.78	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap .....8.42		
<i>For Work In Restricted Working Space, Add</i>	0.83	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500, Deduct</i>	-1.39	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....10.82		
<i>For Work In Restricted Working Space, Add</i>	0.83	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.68	
<i>For >250 To 500, Deduct</i>	-1.16	
<i>For >500, Deduct</i>	-1.63	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap .....20.44		
<i>For Work In Restricted Working Space, Add</i>	0.83	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.60	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....25.62		
<i>For Work In Restricted Working Space, Add</i>	0.83	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.71	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-2.27	
<i>For >500, Deduct</i>	-3.11	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap .....3.51		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.97	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap .....3.56		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap .....3.59		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap .....3.63		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap .....3.66		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap .....3.73		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap .....4.13		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap .....4.21		
<i>For Work In Restricted Working Space, Add</i>	0.93	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.04	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0198	EA		3-1/2", Two Hole Steel Conduit Strap	4.52	
			<i>For Work In Restricted Working Space, Add</i>	0.93	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap.....	4.74	
			<i>For Work In Restricted Working Space, Add</i>	0.93	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap.....	5.02	
			<i>For Work In Restricted Working Space, Add</i>	0.93	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0201			Clamp Back Spacers <small>(26 05 29 00-0165)</small>	2.74	
26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer.....	2.74	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer.....	2.94	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.72	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer.....	3.13	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0205	EA		1-1/4" Conduit, Clamp Back Spacer.....	3.87	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.82	
26 05 29 00-0206	EA		1-1/2" Conduit, Clamp Back Spacer.....	4.46	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0207	EA		2" Conduit, Clamp Back Spacer.....	5.09	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0208	EA		2-1/2" Conduit, Clamp Back Spacer.....	7.63	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0209	EA		3" Conduit, Clamp Back Spacer.....	10.67	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0210	EA		3-1/2" Conduit, Clamp Back Spacer.....	13.62	
			<i>For Work In Restricted Working Space, Add</i>	0.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	27.46	
<i>For Work In Restricted Working Space, Add</i>	0.64	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
<i>For >50 To 100, Deduct</i>	-0.74	
<i>For >100 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-2.33	
<i>For >500, Deduct</i>	-3.17	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	50.83	
<i>For Work In Restricted Working Space, Add</i>	0.64	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
<i>For >50 To 100, Deduct</i>	-1.32	
<i>For >100 To 250, Deduct</i>	-2.65	
<i>For >250 To 500, Deduct</i>	-4.08	
<i>For >500, Deduct</i>	-5.51	
26 05 29 00-0213 Conduit Clips <small>(26 05 29 00-0165)</small>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	3.32	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	3.32	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0216 EA 1" Conduit Clip.....	3.30	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	3.41	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.79	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.89	
26 05 29 00-0218 Bolt And Nut Conduit Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	4.17	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.96	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.74	
<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	4.28	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.96	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	4.57	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0222 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	4.63	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.20	
26 05 29 00-0223 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	5.08	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.24	
26 05 29 00-0224 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	5.48	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.89	
<i>For >500, Deduct</i>	-1.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	5.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.07	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.36	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	10.02	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.86	
26 05 29 00-0227			Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)		
			Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.62	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.65	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod.....	2.46	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.62	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.66	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod.....	2.54	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.62	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.67	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod.....	2.75	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.62	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0232			Beam Flange Clamps (26 05 29 00-0165)		
			Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24).....	3.35	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500, Deduct</i>	-0.76	
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58).....	3.29	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.76	
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912).....	3.62	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500, Deduct</i>	-0.79	
26 05 29 00-0236			T-Bar Support Clips (26 05 29 00-0165)		
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	5.76	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.44	
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	5.51	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.41	
26 05 29 00-0239	EA		15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	1.97	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.41	
26 05 29 00-0240	EA		24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512).....	14.63	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.81	

26 05 29 00-0241 Switch And Outlet Box Type Supports (26 05 29 00-0165)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	3.93	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.38	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	3.85	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.61	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.41	
<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	2.71	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0247 Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	3.97	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	12.03	
<i>For >50 To 100, Deduct</i>	-0.39	
<i>For >100 To 250, Deduct</i>	-0.77	
<i>For >250 To 500, Deduct</i>	-1.33	
<i>For >500, Deduct</i>	-1.89	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	16.26	
<i>For >50 To 100, Deduct</i>	-0.49	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-2.31	
26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.52	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.87	
<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.54	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.87	
<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.61	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.59	
<i>For >500, Deduct</i>	-0.88	
<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.57	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.77	
<i>For >500, Deduct</i>	-1.15	
<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.96	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.18	
<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.00	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.81	
<i>For >500, Deduct</i>	-1.19	
<i>For Work In Restricted Working Space, Add</i>	1.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.13	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.47	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.47	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.51	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.80	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.91	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.55	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 29 00-0262			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.77	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.89	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.74	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.89	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.70	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.89	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.88	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.18	
			<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.54	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 29 00-0268	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.58	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.25	
			<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 29 00-0269			"J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270	EA		1/2", "J" Type Conduit Hanger (Unistrut J1205)	14.90	
			<i>For >50 To 100, Deduct</i>	-0.52	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.69	
			<i>For Work In Restricted Working Space, Add</i>	1.80	
26 05 29 00-0271	EA		3/4", "J" Type Conduit Hanger (Unistrut J1207)	15.05	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.71	
			<i>For Work In Restricted Working Space, Add</i>	1.80	
26 05 29 00-0272	EA		1", "J" Type Conduit Hanger (Unistrut J1210)	16.06	
			<i>For >50 To 100, Deduct</i>	-0.57	
			<i>For >100 To 250, Deduct</i>	-1.15	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.98	
			<i>For Work In Restricted Working Space, Add</i>	2.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0273 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	16.22	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.15	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-3.00	
<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 29 00-0274 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	17.20	
<i>For >50 To 100, Deduct</i>	-0.62	
<i>For >100 To 250, Deduct</i>	-1.25	
<i>For >250 To 500, Deduct</i>	-2.26	
<i>For >500, Deduct</i>	-3.27	
<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 29 00-0275 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	17.84	
<i>For >50 To 100, Deduct</i>	-0.64	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-2.31	
<i>For >500, Deduct</i>	-3.33	
<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 29 00-0276 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	27.72	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100 To 250, Deduct</i>	-1.82	
<i>For >250 To 500, Deduct</i>	-3.15	
<i>For >500, Deduct</i>	-4.49	
<i>For Work In Restricted Working Space, Add</i>	2.58	
26 05 29 00-0277 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	29.53	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100 To 250, Deduct</i>	-1.95	
<i>For >250 To 500, Deduct</i>	-3.40	
<i>For >500, Deduct</i>	-4.85	
<i>For Work In Restricted Working Space, Add</i>	2.84	
26 05 29 00-0278 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	31.81	
<i>For >50 To 100, Deduct</i>	-1.05	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-3.67	
<i>For >500, Deduct</i>	-5.24	
<i>For Work In Restricted Working Space, Add</i>	3.09	
26 05 29 00-0279 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	41.59	
<i>For >50 To 100, Deduct</i>	-1.30	
<i>For >100 To 250, Deduct</i>	-2.60	
<i>For >250 To 500, Deduct</i>	-4.41	
<i>For >500, Deduct</i>	-6.22	
<i>For Work In Restricted Working Space, Add</i>	3.09	
26 05 29 00-0280 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	45.67	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100 To 250, Deduct</i>	-2.84	
<i>For >250 To 500, Deduct</i>	-4.82	
<i>For >500, Deduct</i>	-6.80	
<i>For Work In Restricted Working Space, Add</i>	3.35	
26 05 29 00-0281 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	63.80	
<i>For >50 To 100, Deduct</i>	-1.92	
<i>For >100 To 250, Deduct</i>	-3.84	
<i>For >250 To 500, Deduct</i>	-6.40	
<i>For >500, Deduct</i>	-8.96	
<i>For Work In Restricted Working Space, Add</i>	3.87	
26 05 29 00-0282 Between Studs Box Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0283 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.46	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.06	
<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.46	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.81	
<i>For >500, Deduct</i>	-1.16	
<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 29 00-0285 Hangers And Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.10	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500, Deduct</i>	-0.55	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	2.04	
<i>For >50 To 100, Deduct</i>	-0.09	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500, Deduct</i>	-0.55	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0288	EA		Offset Bracket Only With 1/4" Hole (Caddy AO)	2.04	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.55	
26 05 29 00-0289	EA		Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	2.64	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0290	EA		Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	2.65	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0291	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	2.58	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	2.64	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	2.65	
			<i>For >50 To 100, Deduct</i>	-0.11	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0294			Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.40	
			<i>For >50 To 100, Deduct</i>	-0.06	
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500, Deduct</i>	-0.35	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.42	
			<i>For >50 To 100, Deduct</i>	-0.06	
			<i>For >100 To 250, Deduct</i>	-0.12	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500, Deduct</i>	-0.36	
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.51	
			<i>For >50 To 100, Deduct</i>	-0.06	
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.25	
			<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.70	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.26	
			<i>For >500, Deduct</i>	-0.38	
26 05 29 00-0299			Wire Ties <small>(26 05 29 00-0165)</small>		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties	11.83	
			<i>For UV Black, Add</i>	0.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties	11.94	
			<i>For UV Black, Add</i>	0.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.02	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.05	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	12.47	
			<i>For UV Black, Add</i>	0.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties	15.32	
			<i>For UV Black, Add</i>	0.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	14.90	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties	15.33	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties	15.80	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties	24.40	
For UV Black, Add	2.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	25.65	
For UV Black, Add	2.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties	16.67	
For UV Black, Add	1.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties	15.56	
For UV Black, Add	0.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties	24.75	
For UV Black, Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	28.66	
For UV Black, Add	2.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties	28.52	
For UV Black, Add	2.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties	31.28	
For UV Black, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.17	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties	38.48	
For UV Black, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties	56.63	
For UV Black, Add	6.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.59	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	54.73	
For UV Black, Add	6.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.59	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	67.49	
For UV Black, Add	8.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.76	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties	78.65	
For UV Black, Add	9.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.94	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties	109.35	
For UV Black, Add	14.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.25	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts	28.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.07	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw	56.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.15	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie	1.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie	1.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie	1.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie	2.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	54.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.81	
 26 05 29 00-0330		
Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
 26 05 29 00-0331		
Toggle Bolts <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.59	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-3.18	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.77	
For >50 To 100, Deduct	-0.65	
For >100 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-2.28	
For >500, Deduct	-3.26	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	7.10	
For >50 To 100, Deduct	-0.67	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-3.35	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	7.27	
For >50 To 100, Deduct	-0.69	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-3.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0336	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.44	
			<i>For >50 To 100, Deduct</i>	-0.71	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-2.46	
			<i>For >500, Deduct</i>	-3.51	
26 05 29 00-0337	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.24	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-2.57	
			<i>For >500, Deduct</i>	-3.66	
26 05 29 00-0338	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.54	
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100 To 250, Deduct</i>	-1.51	
			<i>For >250 To 500, Deduct</i>	-2.63	
			<i>For >500, Deduct</i>	-3.75	
26 05 29 00-0339			Machine Screws <small>(26 05 29 00-0330)</small>		
			Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.95	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.98	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.49	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.58	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.15	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.46	
26 05 29 00-0345			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.04	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.01	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.13	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500, Deduct</i>	-1.56	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	5.19	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.85	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.28	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.31	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.72	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0354 Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.35	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.41	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.38	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.44	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.60	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.80	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.87	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.72	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.89	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.72	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.91	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500, Deduct</i>	-0.72	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.01	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.05	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0364 Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw.....	3.21	
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.60	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.49	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.79	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 250, Deduct</i>	-0.70	
<i>For >250 To 500, Deduct</i>	-1.22	
<i>For >500, Deduct</i>	-1.74	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	5.07	
<i>For >50 To 100, Deduct</i>	-0.45	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500, Deduct</i>	-2.23	
26 05 29 00-0368 Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip.....	5.13	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100 To 250, Deduct</i>	-0.81	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.98	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0370	EA		3/4" Conduit, Push-In Acoustical T-Bar Clip.....	5.39	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-2.08	
26 05 29 00-0371	EA		1" Conduit, Push-In Acoustical T-Bar Clip.....	5.84	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-2.21	
26 05 29 00-0372			Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373			Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374			Carbon Steel Threaded Rod (26 05 29 00-0373)		
			Note: Includes plain finish.		
26 05 29 00-0375	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.36	0.54
			<i>For Galvanized, Add</i>	0.52	
			<i>For Zinc Coated, Add</i>	0.37	
26 05 29 00-0376	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.19	0.57
			<i>For Galvanized, Add</i>	0.82	
			<i>For Zinc Coated, Add</i>	0.58	
26 05 29 00-0377	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.36	0.59
			<i>For Galvanized, Add</i>	1.27	
			<i>For Zinc Coated, Add</i>	0.91	
26 05 29 00-0378	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.00	0.61
			<i>For Galvanized, Add</i>	2.31	
			<i>For Zinc Coated, Add</i>	1.65	
26 05 29 00-0379	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.61	0.63
			<i>For Galvanized, Add</i>	2.54	
			<i>For Zinc Coated, Add</i>	1.81	
26 05 29 00-0380	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.36	0.71
			<i>For Galvanized, Add</i>	3.57	
			<i>For Zinc Coated, Add</i>	2.54	
26 05 29 00-0381	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.85	0.79
			<i>For Galvanized, Add</i>	4.50	
			<i>For Zinc Coated, Add</i>	3.21	
26 05 29 00-0382			Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	6.62	
26 05 29 00-0384	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	7.48	
26 05 29 00-0385	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	9.15	
26 05 29 00-0386	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	10.92	
26 05 29 00-0387	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	15.26	
26 05 29 00-0388	EA		1" Diameter, Threaded Rod Coupling Nut.....	18.07	
26 05 29 00-0389	EA		1-1/8" Diameter, Threaded Rod Coupling Nut.....	32.53	
26 05 29 00-0390			Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.57	0.21
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0392	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.71	0.21
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0393	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.89	0.21
			<i>For Galvanized, Add</i>	0.08	
26 05 29 00-0394	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.07	0.43
			<i>For Galvanized, Add</i>	0.12	
26 05 29 00-0395	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.19	0.43
			<i>For Galvanized, Add</i>	0.14	
26 05 29 00-0396	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.39	0.43
			<i>For Galvanized, Add</i>	0.17	
26 05 29 00-0397	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.56	0.43
			<i>For Galvanized, Add</i>	0.19	
26 05 29 00-0398			Malleable Iron Eye Sockets (26 05 29 00-0373)		
			Note: Type 16.		
26 05 29 00-0399	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	7.88	
26 05 29 00-0400	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	9.42	
26 05 29 00-0401	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	16.35	
26 05 29 00-0402	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	23.29	
26 05 29 00-0403	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	24.82	
26 05 29 00-0404			Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.21
			<i>For Galvanized, Add</i>	0.02	
26 05 29 00-0406	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.21
			<i>For Galvanized, Add</i>	0.04	
26 05 29 00-0407	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.89	0.21
			<i>For Galvanized, Add</i>	0.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.04 0.11	0.43
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.45 0.21	0.43
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.83 0.28	0.43
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	2.91 0.53	0.43
26 05 29 00-0412 Forged Steel Turnbuckles <small>(26 05 29 00-0373)</small>		
Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	19.40	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	23.91	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	31.88	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	39.39	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	95.99	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	64.36	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	128.61	
26 05 29 00-0420 Attachments <small>(26 05 29 00-0372)</small>		
26 05 29 00-0421 Welded Beam Attachments <small>(26 05 29 00-0420)</small>		
Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment.....	35.72	8.60
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment.....	38.07	9.03
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment.....	40.51	9.54
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment.....	51.24	10.14
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment.....	61.19	10.74
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment.....	85.15	12.30
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment	119.62	12.90
26 05 29 00-0429 C-Clamp Style Beam Clamps <small>(26 05 29 00-0420)</small>		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	13.03	6.45
26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	15.40	6.89
26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	17.40	7.38
26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	22.10	7.95
26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	31.54	8.61
26 05 29 00-0435 Bottom Mount I-Beam Clamps <small>(26 05 29 00-0420)</small>		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	34.24	8.61
26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	49.74	9.40
26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	70.50	10.33
26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	84.23	11.48
26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	201.27	12.92
26 05 29 00-0441 Steel U-Bolts <small>(26 05 29 00-0420)</small>		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	10.60	5.17
26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	11.47	5.44
26 05 29 00-0444 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	12.33	5.74
26 05 29 00-0445 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	13.94	6.08
26 05 29 00-0446 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.42	6.45
26 05 29 00-0447 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt.....	15.43	6.89
26 05 29 00-0448 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	21.77	7.38
26 05 29 00-0449 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt.....	23.97	7.95
26 05 29 00-0450 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt.....	28.78	8.61
26 05 29 00-0451 Stainless Steel Threaded Rod <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	1.99 0.46	0.43
26 05 29 00-0453 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	2.88 0.79	0.47
26 05 29 00-0454 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	3.65 1.04	0.54
26 05 29 00-0455 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	4.95 1.56	0.55
26 05 29 00-0456 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	5.88 1.92	0.57
26 05 29 00-0457 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	8.62 3.02	0.58
26 05 29 00-0458 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	11.92 4.35	0.59
26 05 29 00-0459 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	16.27 6.10	0.61

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0460	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For 316 Stainless Steel, Add</i>	20.87 7.87	0.71
26 05 29 00-0461	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For 316 Stainless Steel, Add</i>	43.75 16.99	0.86
26 05 29 00-0462			Polyvinyl Chloride (PVC) Coated Supports (26 05 29) Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463			Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)		
26 05 29 00-0464			Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0465	EA		1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.98	17.20
26 05 29 00-0466	EA		3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	46.73	18.74
26 05 29 00-0467	EA		1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	50.04	20.63
26 05 29 00-0468	EA		1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.49	22.95
26 05 29 00-0469	EA		1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	68.52	25.80
26 05 29 00-0470	EA		2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.23	28.37
26 05 29 00-0471	EA		2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	88.81	30.95
26 05 29 00-0472	EA		3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.65	33.53
26 05 29 00-0473	EA		3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	103.32	36.11
26 05 29 00-0474	EA		4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.58	38.68
26 05 29 00-0475			Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0476	EA		1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.74	17.20
26 05 29 00-0477	EA		3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	48.61	18.74
26 05 29 00-0478	EA		1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.65	20.63
26 05 29 00-0479	EA		1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.49	22.95
26 05 29 00-0480	EA		1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.29	25.80
26 05 29 00-0481	EA		2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	79.91	28.37
26 05 29 00-0482	EA		2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	91.31	30.95
26 05 29 00-0483	EA		3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	100.96	33.53
26 05 29 00-0484	EA		3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	107.50	36.11
26 05 29 00-0485	EA		4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	112.14	38.68
26 05 29 00-0486			Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0487	EA		1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	43.44	17.03
26 05 29 00-0488	EA		3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	46.79	18.57
26 05 29 00-0489	EA		1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	52.86	20.63
26 05 29 00-0490	EA		1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	61.56	22.70
26 05 29 00-0491	EA		1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	79.09	25.80
26 05 29 00-0492	EA		2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.75	28.37
26 05 29 00-0493			Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)		
26 05 29 00-0494			One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0495	EA		1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.80	0.51
26 05 29 00-0496	EA		3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.20	0.51
26 05 29 00-0497	EA		1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.56	0.51
26 05 29 00-0498	EA		1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.16	0.51
26 05 29 00-0499	EA		1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.01	0.51
26 05 29 00-0500	EA		2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.95	0.51
26 05 29 00-0501	EA		2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.86	0.51
26 05 29 00-0502	EA		3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.91	0.51
26 05 29 00-0503	EA		3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	56.34	0.51
26 05 29 00-0504	EA		4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	59.87	0.51
26 05 29 00-0505			Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0506	EA		1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.46	1.03
26 05 29 00-0507	EA		3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.50	1.03
26 05 29 00-0508	EA		1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.74	1.03
26 05 29 00-0509	EA		1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.18	1.03
26 05 29 00-0510	EA		1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.51	1.03
26 05 29 00-0511	EA		2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.30	1.03
26 05 29 00-0512	EA		2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.05	1.03
26 05 29 00-0513	EA		3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.76	1.03
26 05 29 00-0514	EA		3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.88	1.03
26 05 29 00-0515	EA		4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.37	1.03
26 05 29 00-0516			Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)		
26 05 29 00-0517			Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)		
26 05 29 00-0518	EA		1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	8.61	1.03
26 05 29 00-0519	EA		3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	9.97	1.03
26 05 29 00-0520	EA		1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	12.45	1.03
26 05 29 00-0521	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.52	1.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0522 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.33	1.03
26 05 29 00-0523 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.66	1.03
26 05 29 00-0524 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	47.03	1.03
26 05 29 00-0525 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	64.11	1.03
26 05 29 00-0526 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	111.98	1.03
26 05 29 00-0527 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	111.98	1.03
26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)		
26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)		
26 05 29 00-0530 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	5.91	0.69
26 05 29 00-0531 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	7.27	0.77
26 05 29 00-0532 Attachments (26 05 29 00-0462)		
26 05 29 00-0533 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)		
26 05 29 00-0534 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.71	5.17
26 05 29 00-0535 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.16	5.42
26 05 29 00-0536 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.87	5.77
26 05 29 00-0537 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	14.75	6.11
26 05 29 00-0538 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.70	6.45
26 05 29 00-0539 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.53	6.89
26 05 29 00-0540 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	24.52	7.41
26 05 29 00-0541 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.79	7.92
26 05 29 00-0542 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	27.53	8.61
26 05 29 00-0543 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	43.63	9.82
26 05 29 00-0544 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	53.83	11.36
26 05 29 00-0545 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)		
26 05 29 00-0546 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	43.85	17.03
26 05 29 00-0547 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	50.44	17.03
26 05 29 00-0548 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	53.15	17.03
26 05 29 00-0549 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	58.41	18.05
26 05 29 00-0550 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	68.25	20.63
26 05 29 00-0551 Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	15.46	5.67
26 05 29 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	16.32	6.19
26 05 29 00-0554 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap	17.77	6.70
26 05 29 00-0555 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	20.08	7.74
26 05 29 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	22.94	8.77
26 05 29 00-0557 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.35	9.28
26 05 29 00-0558 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.05	10.31
26 05 29 00-0559 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap	33.04	11.34
26 05 29 00-0560 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	35.94	11.87
26 05 29 00-0561 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.92	12.90
26 05 29 00-0562 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap	40.73	14.44
26 05 29 00-0563 Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)		
26 05 29 00-0564 LF Polyvinyl Chloride (PVC) Coated Channel, A12	14.90	2.58
26 05 29 00-0565 LF Polyvinyl Chloride (PVC) Coated Channel, A12A	26.05	3.61
26 05 29 00-0566 LF Polyvinyl Chloride (PVC) Coated Channel, A12P	15.85	2.58
26 05 29 00-0567 LF Polyvinyl Chloride (PVC) Coated Channel, C14	11.98	2.58
26 05 29 00-0568 LF Polyvinyl Chloride (PVC) Coated Channel, C14P	12.57	2.58
26 05 29 00-0569 Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.		
26 05 29 00-0570 Polymer Concrete, Box Pads (26 05 29 00-0569)		
26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	742.21	90.73
26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	765.38	90.73
26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	978.30	90.73
26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,013.60	90.73
26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	945.43	90.73
26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,112.15	90.73
26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,239.99	90.73
26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,201.75	113.42
26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,799.04	113.42
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,399.29	113.42
26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0569)		
26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	367.26	52.56
26 05 29 00-0583 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	430.56	52.56

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0584	EA		60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	551.05	68.05
26 05 29 00-0585	EA		54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	574.58	68.05
26 05 29 00-0586	EA		57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	814.05	68.05
26 05 29 00-0587	EA		72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	847.34	68.05
26 05 29 00-0588	EA		64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	909.36	68.05
26 05 29 00-0589	EA		72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	909.36	68.05
26 05 29 00-0590	EA		76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,688.50	68.05
26 05 29 00-0591	EA		96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,910.81	68.05
26 05 29 00-0592 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0569)					
26 05 29 00-0593	EA		24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	233.20	52.56
26 05 29 00-0594	EA		24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	249.48	52.56
26 05 29 00-0595	EA		24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	264.30	52.56
26 05 29 00-0596	EA		24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	313.54	52.56
26 05 29 00-0597	EA		40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	291.56	52.56
26 05 29 00-0598	EA		42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	301.92	52.56
26 05 29 00-0599	EA		48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	328.76	52.56
26 05 29 00-0600	EA		48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	344.41	52.56
26 05 29 00-0601	EA		54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	396.71	52.56
26 05 29 00-0602	EA		56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	482.84	52.56
26 05 29 00-0603	EA		64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	698.68	68.05
26 05 29 00-0604	EA		66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	730.16	68.05
26 05 29 00-0605	EA		75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	740.10	68.05
26 05 29 00-0606	EA		90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	806.28	68.05
26 05 29 00-0607	EA		84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,691.48	68.05
26 05 29 00-0608	EA		96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,987.98	68.05
26 05 33 Raceway And Boxes For Electrical Systems (26 05)					
26 05 33 13 Conduit For Electrical Systems (26 05 33)					
26 05 33 13-0001 Conduit Assemblies (26 05 33 13)					
Note: With fittings and wire.					
26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)					
Note: Includes conduit, set screw connectors, set screw couplings, straps, and wire as indicated. Per CLF.					
26 05 33 13-0003	CLF		1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	555.19	258.65
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				155.19	
26 05 33 13-0004	CLF		1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	607.80	282.63
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				169.56	
26 05 33 13-0005	CLF		1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	587.03	270.52
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				162.30	
26 05 33 13-0006	CLF		1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	650.94	298.74
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				179.24	
26 05 33 13-0007	CLF		3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	637.94	294.89
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				176.93	
26 05 33 13-0008	CLF		3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	691.30	319.02
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				191.42	
26 05 33 13-0009	CLF		3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	743.80	342.91
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				205.76	
26 05 33 13-0010	CLF		3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	796.62	366.96
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				220.19	
26 05 33 13-0011	CLF		3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	670.16	306.75
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				184.05	
26 05 33 13-0012	CLF		3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	733.66	334.81
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				200.87	
26 05 33 13-0013	CLF		3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly	796.77	362.64
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.				217.58	
For Work In Restricted Working Space, Add					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly.....	859.86	390.46
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	234.27	
26 05 33 13-0015 CLF 1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly.....	780.86	355.56
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	213.35	
26 05 33 13-0016 CLF 1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly.....	832.69	379.14
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	227.48	
26 05 33 13-0017 CLF 1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly.....	881.13	403.19
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	242.02	
26 05 33 13-0018 CLF 1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly.....	937.55	427.24
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	256.12	
26 05 33 13-0019 CLF 1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly.....	811.82	366.96
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	220.19	
26 05 33 13-0020 CLF 1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly.....	874.61	394.70
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	236.80	
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly.....	938.55	423.00
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	253.76	
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly.....	1,003.00	450.59
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	270.63	
26 05 33 13-0023 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small>		
Note: Includes conduit, terminations, straps, and wire as indicated. Per CLF.		
26 05 33 13-0024 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	652.06	288.84
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	173.30	
26 05 33 13-0025 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	705.15	313.05
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	187.82	
26 05 33 13-0026 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	683.93	300.70
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	180.42	
26 05 33 13-0027 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	746.32	328.21
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	196.91	
26 05 33 13-0028 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	742.48	327.03
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	196.21	
26 05 33 13-0029 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	921.79	414.35
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	248.59	
26 05 33 13-0030 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	846.85	374.51
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	224.69	
26 05 33 13-0031 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	773.60	338.74
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	203.10	
26 05 33 13-0032 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	836.53	366.65
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	219.75	
26 05 33 13-0033 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	900.80	394.47
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	236.80	
26 05 33 13-0034 CLF 1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	944.60	409.47
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	245.81	
26 05 33 13-0035 CLF 1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	995.79	433.45
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	259.75	
26 05 33 13-0036 CLF 1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....	1,050.29	457.34
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	274.69	
26 05 33 13-0037 CLF 1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	985.88	425.19
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	254.93	
26 05 33 13-0038 CLF 1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,050.11	453.02
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	271.97	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0039 CLF 1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add	1,112.25 288.39	480.92
26 05 33 13-0040 Conduit ^(26 05 33 13) Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041 Conduit Installed Above Grade ^(26 05 33 13-0040) See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042 Rigid Galvanized Steel (RGS) Conduit ^(26 05 33 13-0041) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ^(26 05 33 13-0042) Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	5.50 -0.06 -0.30 -0.44 0.43 1.08 0.65 1.30 0.65	1.72
26 05 33 13-0045 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	6.16 -0.07 -0.34 -0.50 0.47 1.18 0.71 1.41 0.71	1.88
26 05 33 13-0046 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	7.75 -0.11 -0.44 -0.64 0.55 1.38 0.83 1.65 0.83	2.21
26 05 33 13-0047 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	9.28 -0.15 -0.54 -0.77 0.63 1.57 0.94 1.89 0.94	2.52
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	10.75 -0.18 -0.63 -0.90 0.71 1.77 1.06 2.12 1.06	2.83
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	13.54 -0.25 -0.80 -1.14 0.86 2.16 1.30 2.59 1.30	3.46
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	19.92 -0.41 -1.20 -1.70 1.18 2.95 1.77 3.54 1.77	4.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	26.06	6.29
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.21	
For Installation In Metal Stud Wall, Add	1.57	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.93	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.36	
For Work In Restricted Working Space, Add	4.72	
For Installation Above 14', Add	2.36	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	32.27	7.86
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.74	
For Installation In Metal Stud Wall, Add	1.97	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.95	
For Work In Restricted Working Space, Add	5.90	
For Installation Above 14', Add	2.95	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	38.26	9.43
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
For Installation In Metal Stud Wall, Add	2.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.90	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.54	
For Work In Restricted Working Space, Add	7.07	
For Installation Above 14', Add	3.54	
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	59.62	11.95
For >250 To 500, Deduct	-1.49	
For >500 To 1,000, Deduct	-3.73	
For >1,000, Deduct	-5.22	
For Installation In Metal Stud Wall, Add	2.99	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.48	
For Work In Restricted Working Space, Add	8.96	
For Installation Above 14', Add	4.48	
26 05 33 13-0055 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	79.54	15.09
For >250 To 500, Deduct	-2.09	
For >500 To 1,000, Deduct	-5.02	
For >1,000, Deduct	-7.01	
For Installation In Metal Stud Wall, Add	3.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.43	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.66	
For Work In Restricted Working Space, Add	11.32	
For Installation Above 14', Add	5.66	
26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0057 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	65.59	17.37
For Work In Restricted Working Space, Add	13.01	
For Installation Above 14', Add	6.51	
26 05 33 13-0058 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	93.80	21.69
For Work In Restricted Working Space, Add	16.27	
For Installation Above 14', Add	8.13	
26 05 33 13-0059 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	132.80	29.55
For Work In Restricted Working Space, Add	22.16	
For Installation Above 14', Add	11.08	
26 05 33 13-0060 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	175.45	33.32
For Work In Restricted Working Space, Add	25.00	
For Installation Above 14', Add	12.50	
26 05 33 13-0061 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	214.61	43.39
For Work In Restricted Working Space, Add	32.53	
For Installation Above 14', Add	16.27	
26 05 33 13-0062 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	351.05	70.74
For Work In Restricted Working Space, Add	53.06	
For Installation Above 14', Add	26.53	
26 05 33 13-0063 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	527.75	106.26
For Work In Restricted Working Space, Add	79.69	
For Installation Above 14', Add	39.84	
26 05 33 13-0064 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0065 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	23.42	7.78
For Work In Restricted Working Space, Add	5.86	
For Installation Above 14', Add	2.93	
26 05 33 13-0066 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	29.41	9.66
For Work In Restricted Working Space, Add	7.28	
For Installation Above 14', Add	3.64	
26 05 33 13-0067 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	37.50	11.87
For Work In Restricted Working Space, Add	8.87	
For Installation Above 14', Add	4.44	
26 05 33 13-0068 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	47.91	13.75
For Work In Restricted Working Space, Add	10.31	
For Installation Above 14', Add	5.15	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0069 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	55.60 11.83 5.92	15.80
26 05 33 13-0070 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.59 13.01 6.51	17.37
26 05 33 13-0071 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.19 16.27 8.13	21.69
26 05 33 13-0072 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	126.54 22.16 11.08	29.55
26 05 33 13-0073 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	166.64 25.00 12.50	33.32
26 05 33 13-0074 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	202.90 32.53 16.27	43.39
26 05 33 13-0075 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	351.05 53.06 26.53	70.74
26 05 33 13-0076 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	527.75 79.69 39.84	106.26
26 05 33 13-0077 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0078 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.70 11.65 5.82	19.41
26 05 33 13-0079 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	66.48 13.49 6.74	22.48
26 05 33 13-0080 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	76.89 15.33 7.66	25.54
26 05 33 13-0081 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.59 16.86 8.43	28.10
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0083 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	62.59 11.65 5.82	19.41
26 05 33 13-0084 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	72.77 13.49 6.74	22.48
26 05 33 13-0085 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.75 15.33 7.66	25.54
26 05 33 13-0086 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.80 16.86 8.43	28.10
26 05 33 13-0087 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	119.25 21.15 10.57	35.25
26 05 33 13-0088 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.53 28.82 14.41	48.02
26 05 33 13-0089 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0090 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	62.82 11.65 5.82	19.41
26 05 33 13-0091 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	72.15 13.49 6.74	22.48
26 05 33 13-0092 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	82.85 15.33 7.66	25.54
26 05 33 13-0093 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	96.73 16.86 8.43	28.10
26 05 33 13-0094 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	125.70 21.15 10.57	35.25
26 05 33 13-0095 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	165.74 28.82 14.41	48.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0096 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	206.82 32.49 16.25	54.15
26 05 33 13-0097 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	251.07 42.30 21.15	70.49
26 05 33 13-0098 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0099 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.62 11.65 5.82	19.41
26 05 33 13-0100 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.81 13.49 6.74	22.48
26 05 33 13-0101 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	88.58 15.33 7.66	25.54
26 05 33 13-0102 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.18 16.86 8.43	28.10
26 05 33 13-0103 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	137.23 21.15 10.57	35.25
26 05 33 13-0104 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	183.81 28.82 14.41	48.02
26 05 33 13-0105 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	224.39 32.49 16.25	54.15
26 05 33 13-0106 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	265.08 42.30 21.15	70.49
26 05 33 13-0107 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0108 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.15 11.65 5.82	19.41
26 05 33 13-0109 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.50 13.49 6.74	22.48
26 05 33 13-0110 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.74 15.33 7.66	25.54
26 05 33 13-0111 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.23 16.86 8.43	28.10
26 05 33 13-0112 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	148.29 21.15 10.57	35.25
26 05 33 13-0113 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	198.08 28.82 14.41	48.02
26 05 33 13-0114 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	241.75 32.49 16.25	54.15
26 05 33 13-0115 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	290.78 42.30 21.15	70.49
26 05 33 13-0116 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	422.27 68.97 34.48	114.94
26 05 33 13-0117 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33 13-0118 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	74.32 11.65 5.82	19.41
26 05 33 13-0119 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	88.30 13.49 6.74	22.48
26 05 33 13-0120 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.54 15.33 7.66	25.54
26 05 33 13-0121 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	119.52 16.86 8.43	28.10
26 05 33 13-0122 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	161.40 21.15 10.57	35.25

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0123	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	210.28 28.82 14.41	48.02
26 05 33	13-0124	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	264.18 32.49 16.25	54.15
26 05 33	13-0125	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	302.87 42.30 21.15	70.49
26 05 33	13-0126	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	520.93 68.97 34.48	114.94
26 05 33	13-0127	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	665.10 103.61 51.80	172.67
26 05 33 13-0128 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0042)</small>					
See CSI section 26 05 33 13-2372 for conduit field bending.					
26 05 33	13-0129	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.42 11.65 5.82	19.41
26 05 33	13-0130	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	95.76 13.49 6.74	22.48
26 05 33	13-0131	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	113.46 15.33 7.66	25.54
26 05 33	13-0132	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	127.80 16.86 8.43	28.10
26 05 33	13-0133	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	171.44 21.15 10.58	35.25
26 05 33	13-0134	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	228.16 28.82 14.41	48.02
26 05 33	13-0135	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	282.11 32.49 16.25	54.15
26 05 33	13-0136	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	354.47 42.30 21.15	70.49
26 05 33	13-0137	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	592.11 68.97 34.48	114.94
26 05 33	13-0138	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	726.73 103.61 51.80	172.67
26 05 33 13-0139 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0042)</small>					
See CSI section 26 05 33 13-2372 for conduit field bending.					
26 05 33	13-0140	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.50 11.65 5.82	19.41
26 05 33	13-0141	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	101.51 13.49 6.74	22.48
26 05 33	13-0142	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	118.47 15.33 7.66	25.54
26 05 33	13-0143	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	143.28 16.86 8.43	28.10
26 05 33	13-0144	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	189.94 21.15 10.58	35.25
26 05 33	13-0145	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	246.18 28.82 14.41	48.02
26 05 33	13-0146	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	304.65 32.49 16.25	54.15
26 05 33	13-0147	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	381.85 42.30 21.15	70.49
26 05 33	13-0148	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	614.39 68.97 34.48	114.94
26 05 33	13-0149	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	739.20 103.61 51.80	172.67



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0150				Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0042)</small>		
				EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	10.29	5.01
				<i>For Work In Restricted Working Space, Add</i>	3.01	
				<i>For Installation Above 14', Add</i>	1.50	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
				EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	11.05	5.34
				<i>For Work In Restricted Working Space, Add</i>	3.21	
				<i>For Installation Above 14', Add</i>	1.60	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.21	
				EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	12.58	6.01
				<i>For Work In Restricted Working Space, Add</i>	3.61	
				<i>For Installation Above 14', Add</i>	1.80	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
				EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	14.16	6.68
				<i>For Work In Restricted Working Space, Add</i>	4.01	
				<i>For Installation Above 14', Add</i>	2.00	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
				EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.79	8.35
				<i>For Work In Restricted Working Space, Add</i>	5.01	
				<i>For Installation Above 14', Add</i>	2.51	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
				EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	22.06	10.02
				<i>For Work In Restricted Working Space, Add</i>	6.01	
				<i>For Installation Above 14', Add</i>	3.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.01	
				EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	27.85	11.69
				<i>For Work In Restricted Working Space, Add</i>	7.01	
				<i>For Installation Above 14', Add</i>	3.51	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	
				EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	31.44	13.36
				<i>For Work In Restricted Working Space, Add</i>	8.02	
				<i>For Installation Above 14', Add</i>	4.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
				EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	36.61	12.57
				<i>For Work In Restricted Working Space, Add</i>	9.02	
				<i>For Installation Above 14', Add</i>	4.51	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
				EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	40.61	16.70
				<i>For Work In Restricted Working Space, Add</i>	10.02	
				<i>For Installation Above 14', Add</i>	5.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.02	
				EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	49.04	18.38
				<i>For Work In Restricted Working Space, Add</i>	11.02	
				<i>For Installation Above 14', Add</i>	5.51	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.02	
				EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	71.22	20.04
				<i>For Work In Restricted Working Space, Add</i>	12.02	
				<i>For Installation Above 14', Add</i>	6.01	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.02	
26 05 33 13-0163				Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0042)</small>		
				EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	12.47	5.89
				<i>For Work In Restricted Working Space, Add</i>	3.54	
				<i>For Installation Above 14', Add</i>	1.77	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
				EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	13.57	6.29
				<i>For Work In Restricted Working Space, Add</i>	3.77	
				<i>For Installation Above 14', Add</i>	1.89	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
				EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	15.88	7.08
				<i>For Work In Restricted Working Space, Add</i>	4.25	
				<i>For Installation Above 14', Add</i>	2.12	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.25	
				EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	17.86	7.86
				<i>For Work In Restricted Working Space, Add</i>	4.72	
				<i>For Installation Above 14', Add</i>	2.36	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
				EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	22.82	9.82
				<i>For Work In Restricted Working Space, Add</i>	5.90	
				<i>For Installation Above 14', Add</i>	2.95	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
				EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	26.99	11.79
				<i>For Work In Restricted Working Space, Add</i>	7.07	
				<i>For Installation Above 14', Add</i>	3.54	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
				EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	38.21	13.75
				<i>For Work In Restricted Working Space, Add</i>	8.25	
				<i>For Installation Above 14', Add</i>	4.13	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
				EA 3" Rigid Galvanized Steel (RGS) Steel Bushing.....	45.49	15.72
				<i>For Work In Restricted Working Space, Add</i>	9.43	
				<i>For Installation Above 14', Add</i>	4.72	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0172	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	68.17	17.68
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33	13-0173	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	92.50	19.65
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Installation Above 14', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	
26 05 33	13-0174	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	123.92	21.61
			<i>For Work In Restricted Working Space, Add</i>	12.97	
			<i>For Installation Above 14', Add</i>	6.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 05 33	13-0175	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	183.35	23.58
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Installation Above 14', Add</i>	7.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 05 33	13-0176		Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0042)</small>		
26 05 33	13-0177	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	13.28	5.89
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33	13-0178	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	14.78	6.29
			<i>For Work In Restricted Working Space, Add</i>	3.77	
			<i>For Installation Above 14', Add</i>	1.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 33	13-0179	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	17.41	7.08
			<i>For Work In Restricted Working Space, Add</i>	4.25	
			<i>For Installation Above 14', Add</i>	2.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.25	
26 05 33	13-0180	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	20.45	7.86
			<i>For Work In Restricted Working Space, Add</i>	4.72	
			<i>For Installation Above 14', Add</i>	2.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
26 05 33	13-0181	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	25.51	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0182	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	31.77	11.79
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Installation Above 14', Add</i>	3.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
26 05 33	13-0183	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	44.69	13.75
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33	13-0184	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	53.08	15.72
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For Installation Above 14', Add</i>	4.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
26 05 33	13-0185	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	69.59	17.68
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33	13-0186	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	98.83	19.65
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Installation Above 14', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	
26 05 33	13-0187	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	130.82	21.61
			<i>For Work In Restricted Working Space, Add</i>	12.97	
			<i>For Installation Above 14', Add</i>	6.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 05 33	13-0188	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	185.78	23.58
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Installation Above 14', Add</i>	7.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 05 33	13-0189		Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0042)</small>		
26 05 33	13-0190	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	20.16	7.08
			<i>For Work In Restricted Working Space, Add</i>	4.25	
			<i>For Installation Above 14', Add</i>	2.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.25	
26 05 33	13-0191	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	22.58	7.86
			<i>For Work In Restricted Working Space, Add</i>	4.72	
			<i>For Installation Above 14', Add</i>	2.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
26 05 33	13-0192	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	25.85	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0193 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	30.72	9.82
<i>For Work In Restricted Working Space, Add</i>	5.90	
<i>For Installation Above 14', Add</i>	2.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-0194 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	37.14	12.18
<i>For Work In Restricted Working Space, Add</i>	7.31	
<i>For Installation Above 14', Add</i>	3.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.31	
26 05 33 13-0195 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	46.84	14.54
<i>For Work In Restricted Working Space, Add</i>	8.72	
<i>For Installation Above 14', Add</i>	4.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 05 33 13-0196 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	62.79	16.90
<i>For Work In Restricted Working Space, Add</i>	10.14	
<i>For Installation Above 14', Add</i>	5.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 05 33 13-0197 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	69.22	19.65
<i>For Work In Restricted Working Space, Add</i>	11.79	
<i>For Installation Above 14', Add</i>	5.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	
26 05 33 13-0198 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	78.28	22.00
<i>For Work In Restricted Working Space, Add</i>	13.20	
<i>For Installation Above 14', Add</i>	6.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20	
26 05 33 13-0199 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	101.18	24.36
<i>For Work In Restricted Working Space, Add</i>	14.62	
<i>For Installation Above 14', Add</i>	7.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.62	
26 05 33 13-0200 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	143.72	26.73
<i>For Work In Restricted Working Space, Add</i>	16.03	
<i>For Installation Above 14', Add</i>	8.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.03	
26 05 33 13-0201 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	198.12	29.47
<i>For Work In Restricted Working Space, Add</i>	17.69	
<i>For Installation Above 14', Add</i>	8.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.69	
26 05 33 13-0202 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0042)		
26 05 33 13-0203 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	10.86	3.62
<i>For Work In Restricted Working Space, Add</i>	2.69	
<i>For Installation Above 14', Add</i>	1.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 33 13-0204 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	13.01	4.17
<i>For Work In Restricted Working Space, Add</i>	3.12	
<i>For Installation Above 14', Add</i>	1.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.12	
26 05 33 13-0205 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	16.70	5.03
<i>For Work In Restricted Working Space, Add</i>	3.76	
<i>For Installation Above 14', Add</i>	1.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	
26 05 33 13-0206 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	23.76	6.21
<i>For Work In Restricted Working Space, Add</i>	4.67	
<i>For Installation Above 14', Add</i>	2.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
26 05 33 13-0207 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	32.10	8.33
<i>For Work In Restricted Working Space, Add</i>	6.26	
<i>For Installation Above 14', Add</i>	3.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0208 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	53.30	12.50
<i>For Work In Restricted Working Space, Add</i>	9.37	
<i>For Installation Above 14', Add</i>	4.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.37	
26 05 33 13-0209 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	89.20	13.83
<i>For Work In Restricted Working Space, Add</i>	10.38	
<i>For Installation Above 14', Add</i>	5.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.38	
26 05 33 13-0210 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	106.52	16.74
<i>For Work In Restricted Working Space, Add</i>	12.56	
<i>For Installation Above 14', Add</i>	6.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-0211 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	142.70	20.98
<i>For Work In Restricted Working Space, Add</i>	15.73	
<i>For Installation Above 14', Add</i>	7.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0212 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	167.64	25.15
<i>For Work In Restricted Working Space, Add</i>	18.86	
<i>For Installation Above 14', Add</i>	9.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33 13-0213 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	281.62	27.98
<i>For Work In Restricted Working Space, Add</i>	20.96	
<i>For Installation Above 14', Add</i>	10.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.96	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0214	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	334.90	31.44
			<i>For Work In Restricted Working Space, Add</i>	23.57	
			<i>For Installation Above 14', Add</i>	11.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.57	
26 05 33	13-0215		Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		
26 05 33	13-0216	EA	1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	11.28	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33	13-0217	EA	3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	12.98	5.89
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33	13-0218	EA	1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	16.59	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33	13-0219	EA	1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	19.41	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33	13-0220	EA	1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	22.16	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0221	EA	1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	11.36	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33	13-0222	EA	3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.12	5.89
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33	13-0223	EA	1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	16.74	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33	13-0224	EA	1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	19.61	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33	13-0225	EA	1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	22.48	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0226	EA	2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	25.42	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33	13-0227	EA	1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	11.46	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33	13-0228	EA	3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	13.23	5.89
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33	13-0229	EA	1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	16.95	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33	13-0230	EA	1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	19.79	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33	13-0231	EA	1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	22.70	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0232	EA	2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	25.95	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33	13-0233	EA	2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	34.88	13.36
			<i>For Work In Restricted Working Space, Add</i>	8.02	
			<i>For Installation Above 14', Add</i>	4.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33	13-0234	EA	3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	46.97	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.08	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0235 EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	11.57	5.11
For Work In Restricted Working Space, Add	3.07	
For Installation Above 14', Add	1.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 05 33 13-0236 EA 3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.30	5.89
For Work In Restricted Working Space, Add	3.54	
For Installation Above 14', Add	1.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-0237 EA 1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	17.22	7.47
For Work In Restricted Working Space, Add	4.48	
For Installation Above 14', Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.48	
26 05 33 13-0238 EA 1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	20.13	8.64
For Work In Restricted Working Space, Add	5.19	
For Installation Above 14', Add	2.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.19	
26 05 33 13-0239 EA 1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.15	9.82
For Work In Restricted Working Space, Add	5.90	
For Installation Above 14', Add	2.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-0240 EA 2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple	26.50	11.01
For Work In Restricted Working Space, Add	6.60	
For Installation Above 14', Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.60	
26 05 33 13-0241 EA 2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	36.37	13.36
For Work In Restricted Working Space, Add	8.02	
For Installation Above 14', Add	4.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02	
26 05 33 13-0242 EA 3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	48.26	18.47
For Work In Restricted Working Space, Add	11.08	
For Installation Above 14', Add	5.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.08	
26 05 33 13-0243 EA 1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	11.69	5.11
For Work In Restricted Working Space, Add	3.07	
For Installation Above 14', Add	1.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 05 33 13-0244 EA 3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	13.50	5.89
For Work In Restricted Working Space, Add	3.54	
For Installation Above 14', Add	1.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-0245 EA 1" x 4" Long Rigid Galvanized Steel (RGS) Nipple	17.38	7.47
For Work In Restricted Working Space, Add	4.48	
For Installation Above 14', Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.48	
26 05 33 13-0246 EA 1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	20.30	8.64
For Work In Restricted Working Space, Add	5.19	
For Installation Above 14', Add	2.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.19	
26 05 33 13-0247 EA 1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	23.46	9.82
For Work In Restricted Working Space, Add	5.90	
For Installation Above 14', Add	2.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-0248 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	26.97	11.01
For Work In Restricted Working Space, Add	6.60	
For Installation Above 14', Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.60	
26 05 33 13-0249 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	36.83	13.36
For Work In Restricted Working Space, Add	8.02	
For Installation Above 14', Add	4.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.02	
26 05 33 13-0250 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple	49.21	18.47
For Work In Restricted Working Space, Add	11.08	
For Installation Above 14', Add	5.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.08	
26 05 33 13-0251 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	56.59	20.83
For Work In Restricted Working Space, Add	12.50	
For Installation Above 14', Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.50	
26 05 33 13-0252 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	70.99	27.12
For Work In Restricted Working Space, Add	16.27	
For Installation Above 14', Add	8.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.27	
26 05 33 13-0253 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	11.86	5.11
For Work In Restricted Working Space, Add	3.07	
For Installation Above 14', Add	1.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 05 33 13-0254 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	13.76	5.89
For Work In Restricted Working Space, Add	3.54	
For Installation Above 14', Add	1.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.54	
26 05 33 13-0255 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple	17.71	7.47
For Work In Restricted Working Space, Add	4.48	
For Installation Above 14', Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.48	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0256	EA	1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	20.77	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33	13-0257	EA	1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	23.92	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0258	EA	2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	27.80	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33	13-0259	EA	2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	38.66	13.36
			<i>For Work In Restricted Working Space, Add</i>	8.02	
			<i>For Installation Above 14', Add</i>	4.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33	13-0260	EA	3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	51.21	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.08	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33	13-0261	EA	3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	58.57	20.83
			<i>For Work In Restricted Working Space, Add</i>	12.50	
			<i>For Installation Above 14', Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33	13-0262	EA	4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	73.89	27.12
			<i>For Work In Restricted Working Space, Add</i>	16.27	
			<i>For Installation Above 14', Add</i>	8.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33	13-0263	EA	5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	112.83	37.33
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Installation Above 14', Add</i>	11.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33	13-0264	EA	6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	143.37	47.87
			<i>For Work In Restricted Working Space, Add</i>	28.74	
			<i>For Installation Above 14', Add</i>	14.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.74	
26 05 33	13-0265	EA	1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	12.18	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33	13-0266	EA	3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	14.08	5.89
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33	13-0267	EA	1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	17.97	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33	13-0268	EA	1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	21.21	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33	13-0269	EA	1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	24.90	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0270	EA	2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	28.63	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33	13-0271	EA	2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	40.28	13.36
			<i>For Work In Restricted Working Space, Add</i>	8.02	
			<i>For Installation Above 14', Add</i>	4.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33	13-0272	EA	3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	53.23	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.08	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33	13-0273	EA	3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	60.99	20.83
			<i>For Work In Restricted Working Space, Add</i>	12.50	
			<i>For Installation Above 14', Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33	13-0274	EA	4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	76.18	27.12
			<i>For Work In Restricted Working Space, Add</i>	16.27	
			<i>For Installation Above 14', Add</i>	8.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33	13-0275	EA	5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	116.19	37.33
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Installation Above 14', Add</i>	11.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33	13-0276	EA	6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	148.29	47.87
			<i>For Work In Restricted Working Space, Add</i>	28.74	
			<i>For Installation Above 14', Add</i>	14.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0277 EA 1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.35 3.07 1.53 3.07	5.11
26 05 33 13-0278 EA 3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.58 3.54 1.77 3.54	5.89
26 05 33 13-0279 EA 1" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.72 4.48 2.24 4.48	7.47
26 05 33 13-0280 EA 1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.71 5.19 2.59 5.19	8.64
26 05 33 13-0281 EA 1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.69 5.90 2.95 5.90	9.82
26 05 33 13-0282 EA 2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57 6.60 3.30 6.60	11.01
26 05 33 13-0283 EA 2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.55 8.02 4.01 8.02	13.36
26 05 33 13-0284 EA 3" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.14 11.08 5.54 11.08	18.47
26 05 33 13-0285 EA 3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.88 12.50 6.25 12.50	20.83
26 05 33 13-0286 EA 4" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.59 16.27 8.13 16.27	27.12
26 05 33 13-0287 EA 5" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.99 22.40 11.20 22.40	37.33
26 05 33 13-0288 EA 6" x 8" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.05 28.74 14.37 28.74	47.87
26 05 33 13-0289 EA 1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.13 3.07 1.53 3.07	5.11
26 05 33 13-0290 EA 3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.34 3.54 1.77 3.54	5.89
26 05 33 13-0291 EA 1" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12 4.48 2.24 4.48	7.47
26 05 33 13-0292 EA 1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.37 5.19 2.59 5.19	8.64
26 05 33 13-0293 EA 1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.32 5.90 2.95 5.90	9.82
26 05 33 13-0294 EA 2" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.46 6.60 3.30 6.60	11.01
26 05 33 13-0295 EA 2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.42 8.02 4.01 8.02	13.36
26 05 33 13-0296 EA 3" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.00 11.08 5.54 11.08	18.47
26 05 33 13-0297 EA 3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.96 12.50 6.25 12.50	20.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0298	EA	4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	88.03	27.12
			<i>For Work In Restricted Working Space, Add</i>	16.27	
			<i>For Installation Above 14', Add</i>	8.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33	13-0299	EA	5" x 10" Long Rigid Galvanized Steel (RGS) Nipple	132.49	37.33
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Installation Above 14', Add</i>	11.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33	13-0300	EA	6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	172.35	47.87
			<i>For Work In Restricted Working Space, Add</i>	28.74	
			<i>For Installation Above 14', Add</i>	14.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.74	
26 05 33	13-0301	EA	1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	14.73	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Installation Above 14', Add</i>	1.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33	13-0302	EA	3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	16.90	5.89
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33	13-0303	EA	1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	21.95	7.47
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Installation Above 14', Add</i>	2.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33	13-0304	EA	1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	26.69	8.64
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33	13-0305	EA	1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	30.14	9.82
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0306	EA	2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	35.04	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33	13-0307	EA	2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	50.80	13.36
			<i>For Work In Restricted Working Space, Add</i>	8.02	
			<i>For Installation Above 14', Add</i>	4.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33	13-0308	EA	3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	67.36	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.08	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33	13-0309	EA	3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	75.91	20.83
			<i>For Work In Restricted Working Space, Add</i>	12.50	
			<i>For Installation Above 14', Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33	13-0310	EA	4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	94.47	27.12
			<i>For Work In Restricted Working Space, Add</i>	16.27	
			<i>For Installation Above 14', Add</i>	8.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33	13-0311	EA	5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	144.72	37.33
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Installation Above 14', Add</i>	11.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33	13-0312	EA	6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	180.86	47.87
			<i>For Work In Restricted Working Space, Add</i>	28.74	
			<i>For Installation Above 14', Add</i>	14.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.74	
26 05 33	13-0313		Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0042)</small>	11.31	4.09
		EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	3.09	
			<i>For Work In Restricted Working Space, Add</i>	3.09	
			<i>For Installation Above 14', Add</i>	1.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09	
26 05 33	13-0315	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.27	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.52	
			<i>For Installation Above 14', Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33	13-0316	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	16.76	5.97
			<i>For Work In Restricted Working Space, Add</i>	4.50	
			<i>For Installation Above 14', Add</i>	2.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.50	
26 05 33	13-0317	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	20.81	7.15
			<i>For Work In Restricted Working Space, Add</i>	5.39	
			<i>For Installation Above 14', Add</i>	2.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39	
26 05 33	13-0318	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.78	7.86
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.17 7.27 3.63 7.27	9.66
26 05 33 13-0320 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.55 11.79 5.90 11.79	15.72
26 05 33 13-0321 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.96 16.27 8.13 16.27	21.69
26 05 33 13-0322 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.00 19.11 9.56 19.11	25.62
26 05 33 13-0323 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.71 22.17 11.08 22.17	29.55
26 05 33 13-0324 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0042)</small> Note: Erickson fittings.		
26 05 33 13-0325 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.36 9.44 4.72 9.44	12.57
26 05 33 13-0326 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.54 10.54 5.27 10.54	14.06
26 05 33 13-0327 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.57 11.74 5.87 11.74	15.64
26 05 33 13-0328 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.30 12.85 6.42 12.85	17.13
26 05 33 13-0329 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.20 14.06 7.03 14.06	18.71
26 05 33 13-0330 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.47 15.22 7.61 15.22	20.28
26 05 33 13-0331 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.53 18.86 9.43 18.86	25.15
26 05 33 13-0332 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.51 23.58 11.79 23.58	31.44
26 05 33 13-0333 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.46 28.30 14.15 28.30	37.72
26 05 33 13-0334 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.70 30.65 15.32 30.65	40.87
26 05 33 13-0335 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.02 37.72 18.86 37.72	50.30
26 05 33 13-0336 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	573.62 43.61 21.81 43.61	58.16
26 05 33 13-0337 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0338 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.42 4.72 2.36	6.29
26 05 33 13-0339 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.49 5.19 2.59	6.92
26 05 33 13-0340 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.46 5.90 2.95	7.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0341	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.24 6.37 3.18	8.49
26 05 33	13-0342	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.58 7.07 3.54	9.43
26 05 33	13-0343	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.28 7.78 3.89	10.38
26 05 33	13-0344	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.03 9.43 4.72	12.57
26 05 33	13-0345	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.54 11.79 5.90	15.72
26 05 33	13-0346	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	71.51 14.15 7.07	18.87
26 05 33	13-0347	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.01 15.33 7.66	20.43
26 05 33 13-0348 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0042)</small>					
26 05 33	13-0349	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.46 4.25 2.12 4.25	7.08
26 05 33	13-0350	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45 4.72 2.36 4.72	7.86
26 05 33	13-0351	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.03 5.90 2.95 5.90	9.82
26 05 33	13-0352	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.53 7.07 3.54 7.07	11.79
26 05 33	13-0353	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.98 9.43 4.72 9.43	15.72
26 05 33	13-0354	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.11 10.61 5.31 10.61	17.68
26 05 33	13-0355	EA	2-1/2" Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.13 11.79 5.90 11.79	19.65
26 05 33	13-0356	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.76 14.85 7.43 14.85	24.76
26 05 33	13-0357	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.43 17.92 8.96 17.92	29.86
26 05 33	13-0358	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.94 21.22 10.61 21.22	35.37
26 05 33 13-0359 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement <small>(26 05 33 13-0042)</small>					
Note: Type AX					
26 05 33	13-0360	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	81.66 9.44 4.72	12.57
26 05 33	13-0361	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.69 10.61 5.31	14.15
26 05 33	13-0362	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	109.81 11.79 5.90	15.72
26 05 33	13-0363	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	134.56 12.97 6.48	17.29
26 05 33	13-0364	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	169.22 14.15 7.07	18.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0365 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	234.17 15.32 7.66	20.43
26 05 33 13-0366 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	358.85 18.86 9.43	25.15
26 05 33 13-0367 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	459.79 23.58 11.79	31.44
26 05 33 13-0368 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	671.58 28.30 14.15	37.72
26 05 33 13-0369 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	715.87 30.65 15.32	40.87
26 05 33 13-0370 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,097.03 37.73 18.86	50.30
26 05 33 13-0371 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,347.89 41.88 20.94	55.80
26 05 33 13-0372 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement _(26 05 33 13-0042) Note: Type AX-8		
26 05 33 13-0373 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	90.05 9.44 4.72	12.57
26 05 33 13-0374 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	100.12 10.61 5.31	14.15
26 05 33 13-0375 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	121.48 11.79 5.90	15.72
26 05 33 13-0376 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	152.94 12.97 6.48	17.29
26 05 33 13-0377 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	205.74 14.15 7.07	18.87
26 05 33 13-0378 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	251.62 15.32 7.66	20.43
26 05 33 13-0379 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	471.97 18.86 9.43	25.15
26 05 33 13-0380 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	537.03 23.58 11.79	31.44
26 05 33 13-0381 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	824.23 28.30 14.15	37.72
26 05 33 13-0382 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	892.31 30.65 15.32	40.87
26 05 33 13-0383 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,245.76 37.73 18.86	50.30
26 05 33 13-0384 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,539.24 41.88 20.94	55.80
26 05 33 13-0385 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement _(26 05 33 13-0042) Note: Type EX		
26 05 33 13-0386 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	102.34 9.44 4.72	12.57
26 05 33 13-0387 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	129.09 10.61 5.31	14.15
26 05 33 13-0388 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.61 11.79 5.90	15.72
26 05 33 13-0389 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	195.31 12.97 6.48	17.29
26 05 33 13-0390 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	263.11 14.15 7.07	18.87
26 05 33 13-0391 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	362.48 15.32 7.66	20.43

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0392	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	563.24 18.86 9.43	25.15
26 05 33	13-0393	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	759.26 23.58 11.79	31.44
26 05 33	13-0394	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,140.31 28.30 14.15	37.72
26 05 33	13-0395	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,180.20 30.65 15.32	40.87
26 05 33	13-0396	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,776.45 37.73 18.86	50.30
26 05 33	13-0397	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2,202.44 41.88 20.94	55.80
26 05 33 13-0398 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>					
Note: Type DX					
26 05 33	13-0399	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	178.09 9.44 4.72	12.57
26 05 33	13-0400	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	212.16 10.61 5.31	14.15
26 05 33	13-0401	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	256.48 11.79 5.90	15.72
26 05 33	13-0402	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	301.54 12.97 6.48	17.29
26 05 33	13-0403	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	333.46 14.15 7.07	18.87
26 05 33	13-0404	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	412.16 15.32 7.66	20.43
26 05 33	13-0405	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	544.80 18.86 9.43	25.15
26 05 33	13-0406	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	690.91 23.58 11.79	31.44
26 05 33	13-0407	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	777.37 28.30 14.15	37.72
26 05 33	13-0408	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	942.73 30.65 15.32	40.87
26 05 33	13-0409	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,612.70 37.73 18.86	50.30
26 05 33	13-0410	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2,564.59 41.88 20.94	55.80
26 05 33 13-0411 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0042)</small>					
26 05 33	13-0412	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.95 4.72 2.36	6.29
26 05 33	13-0413	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.94 5.90 2.95	7.86
26 05 33	13-0414	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.27 7.07 3.54	9.43
26 05 33	13-0415	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	91.68 9.43 4.72	12.57
26 05 33	13-0416	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	138.91 14.15 7.07	18.87
26 05 33	13-0417	EA	5" To 6" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	237.19 18.86 9.43	25.15
26 05 33	13-0418	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	51.13 4.72 2.36	6.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0419 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.48 5.90 2.95	7.86
26 05 33 13-0420 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	71.26 7.07 3.54	9.43
26 05 33 13-0421 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.64 9.43 4.72	12.57
26 05 33 13-0422 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	149.46 14.15 7.07	18.87
26 05 33 13-0423 EA 5" To 6" Conduit, 24" Bonding Jumper..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	271.23 18.86 9.43	25.15
26 05 33 13-0424 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0425 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04 11.79 5.90 11.79	19.65
26 05 33 13-0426 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.17 14.15 7.07 14.15	23.58
26 05 33 13-0427 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.31 16.51 8.25 16.51	27.51
26 05 33 13-0428 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.23 18.86 9.43 18.86	31.44
26 05 33 13-0429 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.46 21.22 10.61 21.22	35.37
26 05 33 13-0430 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.60 23.58 11.79 23.58	39.30
26 05 33 13-0431 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.42 28.29 14.15 28.29	47.16
26 05 33 13-0432 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.21 33.01 16.50 33.01	55.02
26 05 33 13-0433 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	492.55 37.73 18.86 37.73	62.88
26 05 33 13-0434 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.98 42.44 21.22 42.44	70.74
26 05 33 13-0435 Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0042)</small>		
26 05 33 13-0436 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.41 2.83 1.41	4.71
26 05 33 13-0437 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.59 4.01 2.00	6.68
26 05 33 13-0438 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.17 5.19 2.59	8.64
26 05 33 13-0439 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.02 5.90 2.95	9.82
26 05 33 13-0440 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.55 7.07 3.54	11.79
26 05 33 13-0441 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.15 8.02 4.01	13.36
26 05 33 13-0442 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	39.79 8.96 4.48	14.94
26 05 33 13-0443 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	46.70 10.14 5.07	16.90

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0444	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	54.38	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.08	
			<i>For Installation Above 14', Add</i>	5.54	
26 05 33 13-0445	EA		4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	57.47	19.65
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Installation Above 14', Add</i>	5.90	
26 05 33 13-0446			Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0042)		
26 05 33 13-0447	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.44	0.78
26 05 33 13-0448	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.36	1.18
26 05 33 13-0449	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.58	1.96
26 05 33 13-0450	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.08	2.75
26 05 33 13-0451	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.70	3.15
26 05 33 13-0452	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.42	3.54
26 05 33 13-0453			Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0042)		
26 05 33 13-0454	EA		1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	98.51	9.54
			<i>For Work In Restricted Working Space, Add</i>	7.15	
			<i>For Installation Above 14', Add</i>	3.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-0455	EA		3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	100.81	10.46
			<i>For Work In Restricted Working Space, Add</i>	7.84	
			<i>For Installation Above 14', Add</i>	3.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.84	
26 05 33 13-0456	EA		1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	120.02	11.48
			<i>For Work In Restricted Working Space, Add</i>	8.59	
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.59	
26 05 33 13-0457	EA		1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	131.77	12.57
			<i>For Work In Restricted Working Space, Add</i>	9.44	
			<i>For Installation Above 14', Add</i>	4.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.44	
26 05 33 13-0458	EA		1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	150.16	14.15
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-0459	EA		2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	217.63	15.72
			<i>For Work In Restricted Working Space, Add</i>	11.80	
			<i>For Installation Above 14', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.80	
26 05 33 13-0460	EA		2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	253.03	20.98
			<i>For Work In Restricted Working Space, Add</i>	15.73	
			<i>For Installation Above 14', Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 05 33 13-0461	EA		3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	280.50	23.03
			<i>For Work In Restricted Working Space, Add</i>	17.28	
			<i>For Installation Above 14', Add</i>	8.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.28	
26 05 33 13-0462	EA		3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	324.79	25.15
			<i>For Work In Restricted Working Space, Add</i>	18.87	
			<i>For Installation Above 14', Add</i>	9.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.87	
26 05 33 13-0463	EA		4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	366.07	28.29
			<i>For Work In Restricted Working Space, Add</i>	21.22	
			<i>For Installation Above 14', Add</i>	10.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.22	
26 05 33 13-0464	EA		5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	485.37	31.44
			<i>For Work In Restricted Working Space, Add</i>	23.58	
			<i>For Installation Above 14', Add</i>	11.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.58	
26 05 33 13-0465	EA		6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	599.89	34.90
			<i>For Work In Restricted Working Space, Add</i>	26.17	
			<i>For Installation Above 14', Add</i>	13.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.17	
26 05 33 13-0466			Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0042)		
26 05 33 13-0467	EA		3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	12.85	6.10
			<i>For Work In Restricted Working Space, Add</i>	3.65	
			<i>For Installation Above 14', Add</i>	1.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.65	
26 05 33 13-0468	EA		1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.20	6.49
			<i>For Work In Restricted Working Space, Add</i>	3.89	
			<i>For Installation Above 14', Add</i>	1.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 05 33 13-0469	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.59	6.68
			<i>For Work In Restricted Working Space, Add</i>	4.01	
			<i>For Installation Above 14', Add</i>	2.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.01	
26 05 33 13-0470	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.95	6.88
			<i>For Work In Restricted Working Space, Add</i>	4.13	
			<i>For Installation Above 14', Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0471 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	17.35	7.08
For Work In Restricted Working Space, Add	4.25	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.25	
26 05 33 13-0472 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	18.14	7.47
For Work In Restricted Working Space, Add	4.48	
For Installation Above 14', Add	2.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.48	
26 05 33 13-0473 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	19.60	7.86
For Work In Restricted Working Space, Add	4.72	
For Installation Above 14', Add	2.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.72	
26 05 33 13-0474 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	19.99	8.06
For Work In Restricted Working Space, Add	4.83	
For Installation Above 14', Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-0475 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	20.78	8.45
For Work In Restricted Working Space, Add	5.07	
For Installation Above 14', Add	2.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.07	
26 05 33 13-0476 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.56	8.84
For Work In Restricted Working Space, Add	5.30	
For Installation Above 14', Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.30	
26 05 33 13-0477 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	26.19	8.84
For Work In Restricted Working Space, Add	5.30	
For Installation Above 14', Add	2.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.30	
26 05 33 13-0478 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.58	9.04
For Work In Restricted Working Space, Add	5.42	
For Installation Above 14', Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 33 13-0479 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	27.38	9.43
For Work In Restricted Working Space, Add	5.66	
For Installation Above 14', Add	2.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.66	
26 05 33 13-0480 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.16	9.82
For Work In Restricted Working Space, Add	5.90	
For Installation Above 14', Add	2.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-0481 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	30.12	10.81
For Work In Restricted Working Space, Add	6.48	
For Installation Above 14', Add	3.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.48	
26 05 33 13-0482 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	38.15	12.77
For Work In Restricted Working Space, Add	7.66	
For Installation Above 14', Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 05 33 13-0483 Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0042)</small>	1.63	0.78
26 05 33 13-0484 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts	1.63	0.78
For Work In Restricted Working Space, Add	0.47	
For Installation Above 14', Add	0.24	
26 05 33 13-0485 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts	2.45	1.18
For Work In Restricted Working Space, Add	0.71	
For Installation Above 14', Add	0.35	
26 05 33 13-0486 EA 1" Rigid Galvanized Steel (RGS) Locknuts	4.08	1.96
For Work In Restricted Working Space, Add	1.18	
For Installation Above 14', Add	0.59	
26 05 33 13-0487 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts	5.74	2.75
For Work In Restricted Working Space, Add	1.65	
For Installation Above 14', Add	0.83	
26 05 33 13-0488 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts	6.60	3.15
For Work In Restricted Working Space, Add	1.89	
For Installation Above 14', Add	0.94	
26 05 33 13-0489 EA 2" Rigid Galvanized Steel (RGS) Locknuts	7.46	3.54
For Work In Restricted Working Space, Add	2.12	
For Installation Above 14', Add	1.06	
26 05 33 13-0490 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.44	4.71
For Work In Restricted Working Space, Add	2.83	
For Installation Above 14', Add	1.41	
26 05 33 13-0491 EA 3" Rigid Galvanized Steel (RGS) Locknuts	12.90	5.89
For Work In Restricted Working Space, Add	3.54	
For Installation Above 14', Add	1.77	
26 05 33 13-0492 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts	15.21	6.68
For Work In Restricted Working Space, Add	4.01	
For Installation Above 14', Add	2.00	
26 05 33 13-0493 EA 4" Rigid Galvanized Steel (RGS) Locknuts	17.07	7.47
For Work In Restricted Working Space, Add	4.48	
For Installation Above 14', Add	2.24	
26 05 33 13-0494 Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0495 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.49 0.47 0.24	0.78
26 05 33 13-0496 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.47 0.71 0.35	1.18
26 05 33 13-0497 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.51 1.18 0.59	1.96
26 05 33 13-0498 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.70 1.65 0.83	2.75
26 05 33 13-0499 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.70 1.89 0.94	3.15
26 05 33 13-0500 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.23 2.12 1.06	3.54
26 05 33 13-0501 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.28 2.83 1.41	4.71
26 05 33 13-0502 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.22 3.54 1.77	5.89
26 05 33 13-0503 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.42 4.01 2.00	6.68
26 05 33 13-0504 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.49 4.48 2.24	7.47
26 05 33 13-0505 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0042)		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.02 1.41 0.71	2.36
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.79 1.89 0.94	3.15
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.23 2.36 1.18	3.93
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.34 3.77 1.89	6.29
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.41 4.25 2.12	7.08
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.94 4.72 2.36	7.86
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.97 5.66 2.83	9.43
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	35.14 7.07 3.54	11.79
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.39 9.43 4.72	15.72
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.80 11.79 5.90	19.65
26 05 33 13-0516 Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0042)		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.77 4.25 2.12	7.08
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.33 4.72 2.36	7.86
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.72 5.90 2.95	9.82
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.24 7.07 3.54	11.79
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	42.05 9.43 4.72	15.72
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.66 11.79 5.90	19.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.12 14.15 7.07	23.58
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	117.27 16.51 8.25	27.51
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	148.16 20.04 10.02	33.40
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	178.18 23.58 11.79	39.30
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0042)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.26 5.90 2.95	9.82
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.77 7.07 3.54	11.79
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.74 9.43 4.72	15.72
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	50.11 11.79 5.90	19.65
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.24 14.15 7.07	23.58
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.80 16.51 8.25	27.51
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	127.72 18.86 9.43	31.44
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	140.14 16.27 8.13	27.12
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	195.61 24.76 12.38	41.26
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	239.02 28.29 14.15	47.16
26 05 33 13-0538 Rigid Galvanized Steel (RGS) Knock Out Seal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0539 EA 1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.13 1.18 0.59	1.96
26 05 33 13-0540 EA 3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.97 1.41 0.71	2.36
26 05 33 13-0541 EA 1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.91 1.65 0.83	2.75
26 05 33 13-0542 EA 1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.61 2.12 1.06	3.54
26 05 33 13-0543 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.60 2.36 1.18	3.93
26 05 33 13-0544 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.48 2.83 1.41	4.71
26 05 33 13-0545 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.24 3.54 1.77	5.89
26 05 33 13-0546 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.47 4.01 2.00	6.68
26 05 33 13-0547 EA 3-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.55 4.48 2.24	7.47
26 05 33 13-0548 EA 4" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.27 4.95 2.48	8.25
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0042)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	9.73	4.71
For Work In Restricted Working Space, Add	2.83	
For Installation Above 14', Add	1.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.83	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	11.51	5.50
For Work In Restricted Working Space, Add	3.30	
For Installation Above 14', Add	1.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	14.45	6.68
For Work In Restricted Working Space, Add	4.01	
For Installation Above 14', Add	2.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.01	
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.62	7.86
For Work In Restricted Working Space, Add	4.72	
For Installation Above 14', Add	2.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.72	
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	22.09	9.82
For Work In Restricted Working Space, Add	5.90	
For Installation Above 14', Add	2.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.90	
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	27.54	11.79
For Work In Restricted Working Space, Add	7.07	
For Installation Above 14', Add	3.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.07	
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	35.04	13.75
For Work In Restricted Working Space, Add	8.25	
For Installation Above 14', Add	4.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.25	
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	39.17	15.72
For Work In Restricted Working Space, Add	9.43	
For Installation Above 14', Add	4.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.43	
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	49.03	17.68
For Work In Restricted Working Space, Add	10.61	
For Installation Above 14', Add	5.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	67.93	19.65
For Work In Restricted Working Space, Add	11.79	
For Installation Above 14', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.79	
26 05 33 13-0560 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0042)		
26 05 33 13-0561 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	19.34	7.08
For Work In Restricted Working Space, Add	4.25	
For Installation Above 14', Add	2.12	
26 05 33 13-0562 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	22.46	8.25
For Work In Restricted Working Space, Add	4.95	
For Installation Above 14', Add	2.48	
26 05 33 13-0563 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	28.77	9.43
For Work In Restricted Working Space, Add	5.66	
For Installation Above 14', Add	2.83	
26 05 33 13-0564 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	36.91	11.79
For Work In Restricted Working Space, Add	7.07	
For Installation Above 14', Add	3.54	
26 05 33 13-0565 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	49.45	14.15
For Work In Restricted Working Space, Add	8.49	
For Installation Above 14', Add	4.24	
26 05 33 13-0566 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	66.50	16.50
For Work In Restricted Working Space, Add	9.90	
For Installation Above 14', Add	4.95	
26 05 33 13-0567 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	93.01	18.87
For Work In Restricted Working Space, Add	11.32	
For Installation Above 14', Add	5.66	
26 05 33 13-0568 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	164.29	23.58
For Work In Restricted Working Space, Add	14.15	
For Installation Above 14', Add	7.07	
26 05 33 13-0569 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0041)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0570 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0569)		
Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0571 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	3.82	1.41
For >250 To 500, Deduct	-0.01	
For >500 To 1,000, Deduct	-0.20	
For >1,000, Deduct	-0.29	
For Installation In Metal Stud Wall, Add	0.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.89	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
For Work In Restricted Working Space, Add	1.06	
For Installation Above 14', Add	0.53	
For Factory Applied Color Coating, Add	0.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0572 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	4.43	1.57
For >250 To 500, Deduct	-0.03	
For >500 To 1,000, Deduct	-0.23	
For >1,000, Deduct	-0.34	
For Installation In Metal Stud Wall, Add	0.39	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.98	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.59	
For Work In Restricted Working Space, Add	1.18	
For Installation Above 14', Add	0.59	
For Factory Applied Color Coating, Add	0.15	
26 05 33 13-0573 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	5.21	1.72
For >250 To 500, Deduct	-0.04	
For >500 To 1,000, Deduct	-0.28	
For >1,000, Deduct	-0.41	
For Installation In Metal Stud Wall, Add	0.43	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.65	
For Work In Restricted Working Space, Add	1.30	
For Installation Above 14', Add	0.65	
For Factory Applied Color Coating, Add	0.27	
26 05 33 13-0574 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	6.12	1.94
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.49	
For Installation In Metal Stud Wall, Add	0.49	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.73	
For Work In Restricted Working Space, Add	1.46	
For Installation Above 14', Add	0.73	
For Factory Applied Color Coating, Add	0.38	
26 05 33 13-0575 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	7.04	2.21
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.57	
For Installation In Metal Stud Wall, Add	0.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.83	
For Work In Restricted Working Space, Add	1.65	
For Installation Above 14', Add	0.83	
For Factory Applied Color Coating, Add	0.46	
26 05 33 13-0576 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	8.19	2.52
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.46	
For >1,000, Deduct	-0.66	
For Installation In Metal Stud Wall, Add	0.63	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.57	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.94	
For Work In Restricted Working Space, Add	1.89	
For Installation Above 14', Add	0.94	
For Factory Applied Color Coating, Add	0.57	
26 05 33 13-0577 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	10.34	2.99
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.85	
For Installation In Metal Stud Wall, Add	0.75	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.87	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.12	
For Work In Restricted Working Space, Add	2.24	
For Installation Above 14', Add	1.12	
For Factory Applied Color Coating, Add	0.86	
26 05 33 13-0578 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	12.30	3.46
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.71	
For >1,000, Deduct	-1.01	
For Installation In Metal Stud Wall, Add	0.86	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.16	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.30	
For Work In Restricted Working Space, Add	2.59	
For Installation Above 14', Add	1.30	
For Factory Applied Color Coating, Add	1.10	
26 05 33 13-0579 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	15.25	4.09
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.27	
For Installation In Metal Stud Wall, Add	1.02	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.56	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.53	
For Work In Restricted Working Space, Add	3.07	
For Installation Above 14', Add	1.53	
For Factory Applied Color Coating, Add	1.51	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0580	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	20.77	6.10
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-1.18	
			<i>For >1,000, Deduct</i>	-1.70	
			<i>For Installation In Metal Stud Wall, Add</i>	1.53	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.81	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.29	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
			<i>For Installation Above 14', Add</i>	2.29	
			<i>For Factory Applied Color Coating, Add</i>	1.66	
26 05 33	13-0581		Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0569)</small>		
			See CSI section 26 05 33 13-2372 for conduit field bending.		
26 05 33	13-0582		Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0569)</small>		
26 05 33	13-0583	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.10	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation Above 14', Add</i>	0.59	
26 05 33	13-0584	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.00	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.41	
			<i>For Installation Above 14', Add</i>	0.71	
26 05 33	13-0585	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.00	2.21
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Installation Above 14', Add</i>	0.83	
26 05 33	13-0586	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.95	2.83
			<i>For Work In Restricted Working Space, Add</i>	2.12	
			<i>For Installation Above 14', Add</i>	1.06	
26 05 33	13-0587	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.92	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.60	
			<i>For Installation Above 14', Add</i>	1.30	
26 05 33	13-0588	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	13.46	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
26 05 33	13-0589	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	19.34	6.29
			<i>For Work In Restricted Working Space, Add</i>	4.72	
			<i>For Installation Above 14', Add</i>	2.36	
26 05 33	13-0590	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	24.06	7.23
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
26 05 33	13-0591	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	28.94	7.86
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Installation Above 14', Add</i>	3.54	
26 05 33	13-0592	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	77.88	22.11
			<i>For Work In Restricted Working Space, Add</i>	21.48	
			<i>For Installation Above 14', Add</i>	10.74	
26 05 33	13-0593		Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0569)</small>		
26 05 33	13-0594	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	5.44	2.06
			<i>For Work In Restricted Working Space, Add</i>	1.55	
			<i>For Installation Above 14', Add</i>	0.77	
26 05 33	13-0595	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	5.91	2.21
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Installation Above 14', Add</i>	0.83	
26 05 33	13-0596	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	8.55	3.15
			<i>For Work In Restricted Working Space, Add</i>	2.36	
			<i>For Installation Above 14', Add</i>	1.18	
26 05 33	13-0597	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	10.66	3.77
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Installation Above 14', Add</i>	1.41	
26 05 33	13-0598	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	12.76	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Installation Above 14', Add</i>	1.65	
26 05 33	13-0599	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	15.87	5.34
			<i>For Work In Restricted Working Space, Add</i>	4.01	
			<i>For Installation Above 14', Add</i>	2.00	
26 05 33	13-0600	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	26.74	7.91
			<i>For Work In Restricted Working Space, Add</i>	5.93	
			<i>For Installation Above 14', Add</i>	2.97	
26 05 33	13-0601	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	30.58	8.80
			<i>For Work In Restricted Working Space, Add</i>	6.60	
			<i>For Installation Above 14', Add</i>	3.30	
26 05 33	13-0602	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	38.73	11.01
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
26 05 33	13-0603	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	47.59	14.15
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.31	
26 05 33	13-0604		Electrical Metallic Tubing (EMT) Box Connectors With Set Screw <small>(26 05 33 13-0569)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0605 EA 1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	4.12	1.57
<i>For Work In Restricted Working Space, Add</i>	1.18	
<i>For Installation Above 14', Add</i>	0.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.18	
26 05 33 13-0606 EA 3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	5.04	1.88
<i>For Work In Restricted Working Space, Add</i>	1.41	
<i>For Installation Above 14', Add</i>	0.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.41	
26 05 33 13-0607 EA 1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	5.98	2.21
<i>For Work In Restricted Working Space, Add</i>	1.65	
<i>For Installation Above 14', Add</i>	0.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33 13-0608 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	8.66	3.15
<i>For Work In Restricted Working Space, Add</i>	2.36	
<i>For Installation Above 14', Add</i>	1.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-0609 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	10.81	3.77
<i>For Work In Restricted Working Space, Add</i>	2.83	
<i>For Installation Above 14', Add</i>	1.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-0610 EA 2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	13.58	4.71
<i>For Work In Restricted Working Space, Add</i>	3.54	
<i>For Installation Above 14', Add</i>	1.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-0611 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	20.06	6.29
<i>For Work In Restricted Working Space, Add</i>	4.72	
<i>For Installation Above 14', Add</i>	2.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
26 05 33 13-0612 EA 3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	24.81	7.86
<i>For Work In Restricted Working Space, Add</i>	5.90	
<i>For Installation Above 14', Add</i>	2.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-0613 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	29.71	9.43
<i>For Work In Restricted Working Space, Add</i>	7.07	
<i>For Installation Above 14', Add</i>	3.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
26 05 33 13-0614 EA 4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	34.60	11.01
<i>For Work In Restricted Working Space, Add</i>	8.25	
<i>For Installation Above 14', Add</i>	4.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33 13-0615 Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw		
<small>(26 05 33 13-0609)</small>		
26 05 33 13-0616 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	5.89	2.13
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Installation Above 14', Add</i>	0.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0617 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	6.73	2.28
<i>For Work In Restricted Working Space, Add</i>	1.72	
<i>For Installation Above 14', Add</i>	0.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.72	
26 05 33 13-0618 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	8.67	2.83
<i>For Work In Restricted Working Space, Add</i>	2.10	
<i>For Installation Above 14', Add</i>	1.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-0619 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	11.89	3.62
<i>For Work In Restricted Working Space, Add</i>	2.69	
<i>For Installation Above 14', Add</i>	1.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 33 13-0620 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	14.77	4.17
<i>For Work In Restricted Working Space, Add</i>	3.14	
<i>For Installation Above 14', Add</i>	1.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 33 13-0621 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	18.81	5.03
<i>For Work In Restricted Working Space, Add</i>	3.77	
<i>For Installation Above 14', Add</i>	1.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 33 13-0622 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	45.07	7.00
<i>For Work In Restricted Working Space, Add</i>	5.23	
<i>For Installation Above 14', Add</i>	2.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-0623 EA 3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	55.93	9.27
<i>For Work In Restricted Working Space, Add</i>	6.98	
<i>For Installation Above 14', Add</i>	3.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
26 05 33 13-0624 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	74.32	11.95
<i>For Work In Restricted Working Space, Add</i>	8.98	
<i>For Installation Above 14', Add</i>	4.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.98	
26 05 33 13-0625 EA 4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	87.87	15.72
<i>For Work In Restricted Working Space, Add</i>	11.79	
<i>For Installation Above 14', Add</i>	5.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0626			Electrical Metallic Tubing (EMT) Box Compression Connectors <small>(26 05 33 13-0569)</small>		
26 05 33 13-0627	EA		1/2" Electrical Metallic Tubing (EMT) Box Compression Connector.....	5.84	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.41	
			<i>For Installation Above 14', Add</i>	0.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.41	
26 05 33 13-0628	EA		3/4" Electrical Metallic Tubing (EMT) Box Compression Connector.....	7.05	2.21
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Installation Above 14', Add</i>	0.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33 13-0629	EA		1" Electrical Metallic Tubing (EMT) Box Compression Connector.....	9.01	2.52
			<i>For Work In Restricted Working Space, Add</i>	1.89	
			<i>For Installation Above 14', Add</i>	0.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.89	
26 05 33 13-0630	EA		1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector	14.71	3.77
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Installation Above 14', Add</i>	1.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-0631	EA		1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	18.76	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Installation Above 14', Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-0632	EA		2" Electrical Metallic Tubing (EMT) Box Compression Connector.....	25.66	5.65
			<i>For Work In Restricted Working Space, Add</i>	4.25	
			<i>For Installation Above 14', Add</i>	2.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.25	
26 05 33 13-0633	EA		2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	58.23	7.55
			<i>For Work In Restricted Working Space, Add</i>	5.66	
			<i>For Installation Above 14', Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	
26 05 33 13-0634	EA		3" Electrical Metallic Tubing (EMT) Box Compression Connector.....	76.33	9.43
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Installation Above 14', Add</i>	3.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
26 05 33 13-0635	EA		3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	103.71	11.01
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33 13-0636	EA		4" Electrical Metallic Tubing (EMT) Box Compression Connector.....	110.15	12.57
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For Installation Above 14', Add</i>	4.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
26 05 33 13-0637			Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors <small>(26 05 33 13-0569)</small>		
26 05 33 13-0638	EA		1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	6.52	2.13
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0639	EA		3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	7.49	2.28
			<i>For Work In Restricted Working Space, Add</i>	1.72	
			<i>For Installation Above 14', Add</i>	0.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.72	
26 05 33 13-0640	EA		1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	10.01	2.83
			<i>For Work In Restricted Working Space, Add</i>	2.10	
			<i>For Installation Above 14', Add</i>	1.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.10	
26 05 33 13-0641	EA		1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	14.99	3.62
			<i>For Work In Restricted Working Space, Add</i>	2.69	
			<i>For Installation Above 14', Add</i>	1.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 33 13-0642	EA		1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	19.21	4.17
			<i>For Work In Restricted Working Space, Add</i>	3.14	
			<i>For Installation Above 14', Add</i>	1.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 33 13-0643	EA		2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	25.30	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.77	
			<i>For Installation Above 14', Add</i>	1.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 33 13-0644	EA		2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	66.84	7.00
			<i>For Work In Restricted Working Space, Add</i>	5.23	
			<i>For Installation Above 14', Add</i>	2.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.23	
26 05 33 13-0645	EA		3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	86.91	9.27
			<i>For Work In Restricted Working Space, Add</i>	6.98	
			<i>For Installation Above 14', Add</i>	3.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
26 05 33 13-0646	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	117.86	11.95
			<i>For Work In Restricted Working Space, Add</i>	8.98	
			<i>For Installation Above 14', Add</i>	4.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.98	
26 05 33 13-0647	EA		4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	133.92	15.72
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Installation Above 14', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0648 Electrical Metallic Tubing (EMT) Expansion Fittings <small>(26 05 33 13-0648)</small>		
<i>Note: Excludes jumper.</i>		
26 05 33 13-0649 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	51.27	10.46
<i>For Work In Restricted Working Space, Add</i>	7.85	
<i>For Installation Above 14', Add</i>	3.92	
26 05 33 13-0650 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	61.68	12.65
<i>For Work In Restricted Working Space, Add</i>	9.51	
<i>For Installation Above 14', Add</i>	4.76	
26 05 33 13-0651 EA 1" Electrical Metallic Tubing (EMT) Expansion Fitting.....	77.54	15.88
<i>For Work In Restricted Working Space, Add</i>	11.89	
<i>For Installation Above 14', Add</i>	5.95	
26 05 33 13-0652 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	95.48	19.49
<i>For Work In Restricted Working Space, Add</i>	14.63	
<i>For Installation Above 14', Add</i>	7.31	
26 05 33 13-0653 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	120.64	22.87
<i>For Work In Restricted Working Space, Add</i>	17.15	
<i>For Installation Above 14', Add</i>	8.58	
26 05 33 13-0654 EA 2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	163.93	27.82
<i>For Work In Restricted Working Space, Add</i>	20.89	
<i>For Installation Above 14', Add</i>	10.44	
26 05 33 13-0655 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	238.38	35.76
<i>For Work In Restricted Working Space, Add</i>	26.83	
<i>For Installation Above 14', Add</i>	13.41	
26 05 33 13-0656 EA 3" Electrical Metallic Tubing (EMT) Expansion Fitting.....	287.02	41.81
<i>For Work In Restricted Working Space, Add</i>	31.37	
<i>For Installation Above 14', Add</i>	15.68	
26 05 33 13-0657 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	365.21	45.58
<i>For Work In Restricted Working Space, Add</i>	34.20	
<i>For Installation Above 14', Add</i>	17.10	
26 05 33 13-0658 EA 4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	443.11	50.30
<i>For Work In Restricted Working Space, Add</i>	37.74	
<i>For Installation Above 14', Add</i>	18.87	
26 05 33 13-0659 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0659)</small>		
26 05 33 13-0660 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.48	2.83
<i>For Work In Restricted Working Space, Add</i>	2.09	
<i>For Installation Above 14', Add</i>	1.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.09	
26 05 33 13-0661 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.71	2.83
<i>For Work In Restricted Working Space, Add</i>	2.09	
<i>For Installation Above 14', Add</i>	1.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.09	
26 05 33 13-0662 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.29	3.07
<i>For Work In Restricted Working Space, Add</i>	2.33	
<i>For Installation Above 14', Add</i>	1.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.33	
26 05 33 13-0663 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	18.08	3.54
<i>For Work In Restricted Working Space, Add</i>	2.65	
<i>For Installation Above 14', Add</i>	1.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 33 13-0664 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	21.92	4.24
<i>For Work In Restricted Working Space, Add</i>	3.20	
<i>For Installation Above 14', Add</i>	1.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.20	
26 05 33 13-0665 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	24.94	4.87
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For Installation Above 14', Add</i>	1.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.66	
26 05 33 13-0666 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	33.76	6.14
<i>For Work In Restricted Working Space, Add</i>	4.58	
<i>For Installation Above 14', Add</i>	2.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.58	
26 05 33 13-0667 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-0668 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0667)</small>		
<i>Note: Includes field bending conduit up to 1".</i>		
26 05 33 13-0669 LF 1/2" Intermediate Metal Conduit (IMC) Conduit	4.74	1.57
<i>For >250 To 500, Deduct</i>	-0.04	
<i>For >500 To 1,000, Deduct</i>	-0.06	
<i>For >1,000, Deduct</i>	-0.08	
<i>For Installation In Metal Stub Wall, Add</i>	0.39	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.98	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.59	
<i>For Work In Restricted Working Space, Add</i>	1.18	
<i>For Installation Above 14', Add</i>	0.59	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0670	LF		3/4" Intermediate Metal Conduit (IMC) Conduit.....	5.29	1.72
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500 To 1,000, Deduct</i>	-0.07	
			<i>For >1,000, Deduct</i>	-0.10	
			<i>For Installation In Metal Stub Wall, Add</i>	0.43	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.08	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.65	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation Above 14', Add</i>	0.65	
26 05 33 13-0671	LF		1" Intermediate Metal Conduit (IMC) Conduit.....	6.20	1.88
			<i>For >250 To 500, Deduct</i>	-0.07	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000, Deduct</i>	-0.15	
			<i>For Installation In Metal Stub Wall, Add</i>	0.47	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.18	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	1.41	
			<i>For Installation Above 14', Add</i>	0.71	
26 05 33 13-0672	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit	7.39	3.77
			<i>For >250 To 500, Deduct</i>	-0.09	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000, Deduct</i>	-0.19	
			<i>For Installation In Metal Stub Wall, Add</i>	0.55	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.38	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Installation Above 14', Add</i>	0.83	
26 05 33 13-0673	LF		1-1/2" Intermediate Metal Conduit (IMC) Conduit	8.52	2.52
			<i>For >250 To 500, Deduct</i>	-0.11	
			<i>For >500 To 1,000, Deduct</i>	-0.17	
			<i>For >1,000, Deduct</i>	-0.22	
			<i>For Installation In Metal Stub Wall, Add</i>	0.63	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.57	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	1.89	
			<i>For Installation Above 14', Add</i>	0.94	
26 05 33 13-0674	LF		2" Intermediate Metal Conduit (IMC) Conduit.....	10.11	2.83
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.23	
			<i>For >1,000, Deduct</i>	-0.30	
			<i>For Installation In Metal Stub Wall, Add</i>	0.71	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.77	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
			<i>For Installation Above 14', Add</i>	1.06	
26 05 33 13-0675	LF		2-1/2" Intermediate Metal Conduit (IMC) Conduit	16.14	3.77
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.50	
			<i>For >1,000, Deduct</i>	-0.67	
			<i>For Installation In Metal Stub Wall, Add</i>	0.94	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.36	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Installation Above 14', Add</i>	1.41	
26 05 33 13-0676	LF		3" Intermediate Metal Conduit (IMC) Conduit.....	20.04	4.71
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.62	
			<i>For >1,000, Deduct</i>	-0.83	
			<i>For Installation In Metal Stub Wall, Add</i>	1.18	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.95	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.77	
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Installation Above 14', Add</i>	1.77	
26 05 33 13-0677	LF		3-1/2" Intermediate Metal Conduit (IMC) Conduit	23.71	5.65
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.72	
			<i>For >1,000, Deduct</i>	-0.96	
			<i>For Installation In Metal Stub Wall, Add</i>	1.42	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.54	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
			<i>For Installation Above 14', Add</i>	2.12	
26 05 33 13-0678	LF		4" Intermediate Metal Conduit (IMC) Conduit.....	27.75	6.61
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000, Deduct</i>	-1.13	
			<i>For Installation In Metal Stub Wall, Add</i>	1.65	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Installation Above 14', Add</i>	2.48	

26 05 33 13-0679 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0667)
 See CSI section 26 05 33 13-2372 for conduit field bending.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.45 8.87 4.44	11.87
26 05 33 13-0681 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.99 10.31 5.15	13.75
26 05 33 13-0682 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	51.62 11.83 5.92	15.80
26 05 33 13-0683 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	60.91 13.01 6.51	17.37
26 05 33 13-0684 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.98 16.27 8.13	21.69
26 05 33 13-0685 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	119.43 22.16 11.08	29.55
26 05 33 13-0686 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	163.75 25.00 12.50	33.32
26 05 33 13-0687 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	201.74 32.53 16.27	43.39
26 05 33 13-0688 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0667)		
26 05 33 13-0689 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.52 3.07	4.09
26 05 33 13-0690 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30 3.54	0.47
26 05 33 13-0691 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.79 4.48	5.97
26 05 33 13-0692 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20 5.42	7.23
26 05 33 13-0693 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.26 5.90	7.86
26 05 33 13-0694 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.02 7.31	9.74
26 05 33 13-0695 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.60 11.79	15.72
26 05 33 13-0696 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.83 16.04	21.37
26 05 33 13-0697 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.01 19.10	25.46
26 05 33 13-0698 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.37 22.16	29.55
26 05 33 13-0699 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0667) Note: 3-Piece coupling.		
26 05 33 13-0700 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.79 9.44 4.72 9.44	12.57
26 05 33 13-0701 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.10 10.54 5.27 10.54	14.06
26 05 33 13-0702 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.86 11.74 5.87 11.74	15.64
26 05 33 13-0703 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.38 12.85 6.42 12.85	17.13
26 05 33 13-0704 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.09 14.06 7.03 14.06	18.71
26 05 33 13-0705 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.21 15.22 7.61 15.22	20.28
26 05 33 13-0706 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.51 18.86 9.43 18.86	25.15
26 05 33 13-0707 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.95 23.58 11.79 23.58	31.44

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0708	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	233.08	37.72
			<i>For Work In Restricted Working Space, Add</i>	28.30	
			<i>For Installation Above 14', Add</i>	14.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.30	
26 05 33	13-0709	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	266.39	40.87
			<i>For Work In Restricted Working Space, Add</i>	30.65	
			<i>For Installation Above 14', Add</i>	15.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.65	
26 05 33 13-0710 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0667)					
26 05 33	13-0711	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	18.23	6.29
			<i>For Work In Restricted Working Space, Add</i>	4.72	
			<i>For Installation Above 14', Add</i>	2.36	
26 05 33	13-0712	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	20.26	6.92
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Installation Above 14', Add</i>	2.59	
26 05 33	13-0713	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	23.19	7.86
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
26 05 33	13-0714	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	25.89	8.49
			<i>For Work In Restricted Working Space, Add</i>	6.37	
			<i>For Installation Above 14', Add</i>	3.18	
26 05 33	13-0715	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	30.09	9.43
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Installation Above 14', Add</i>	3.54	
26 05 33	13-0716	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	35.56	10.38
			<i>For Work In Restricted Working Space, Add</i>	7.78	
			<i>For Installation Above 14', Add</i>	3.89	
26 05 33	13-0717	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	46.87	12.57
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For Installation Above 14', Add</i>	4.72	
26 05 33	13-0718	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	58.13	15.72
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Installation Above 14', Add</i>	5.90	
26 05 33	13-0719	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	69.81	18.87
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Installation Above 14', Add</i>	7.07	
26 05 33	13-0720	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	77.99	20.43
			<i>For Work In Restricted Working Space, Add</i>	15.33	
			<i>For Installation Above 14', Add</i>	7.66	
26 05 33 13-0721 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0667)					
26 05 33	13-0722	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	16.77	6.29
			<i>For Work In Restricted Working Space, Add</i>	4.72	
			<i>For Installation Above 14', Add</i>	2.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
26 05 33	13-0723	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	21.22	7.86
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Installation Above 14', Add</i>	2.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-0724	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.90	9.43
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Installation Above 14', Add</i>	3.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
26 05 33	13-0725	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	30.79	11.01
			<i>For Work In Restricted Working Space, Add</i>	8.25	
			<i>For Installation Above 14', Add</i>	4.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.25	
26 05 33	13-0726	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	35.67	12.57
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For Installation Above 14', Add</i>	4.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	
26 05 33	13-0727	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	41.49	14.15
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33	13-0728	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	49.55	15.72
			<i>For Work In Restricted Working Space, Add</i>	11.79	
			<i>For Installation Above 14', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0729 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	57.03	17.29
<i>For Work In Restricted Working Space, Add</i>	12.97	
<i>For Installation Above 14', Add</i>	6.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 05 33 13-0730 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	68.99	20.43
<i>For Work In Restricted Working Space, Add</i>	15.33	
<i>For Installation Above 14', Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.33	
26 05 33 13-0731 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	77.59	22.00
<i>For Work In Restricted Working Space, Add</i>	16.50	
<i>For Installation Above 14', Add</i>	8.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.50	
26 05 33 13-0732 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0667)</small>		
26 05 33 13-0733 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	76.75	12.57
<i>For Work In Restricted Working Space, Add</i>	9.44	
<i>For Installation Above 14', Add</i>	4.72	
26 05 33 13-0734 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	85.20	14.15
<i>For Work In Restricted Working Space, Add</i>	10.61	
<i>For Installation Above 14', Add</i>	5.31	
26 05 33 13-0735 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	94.68	15.72
<i>For Work In Restricted Working Space, Add</i>	11.79	
<i>For Installation Above 14', Add</i>	5.90	
26 05 33 13-0736 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	112.32	17.29
<i>For Work In Restricted Working Space, Add</i>	12.97	
<i>For Installation Above 14', Add</i>	6.48	
26 05 33 13-0737 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	134.80	18.87
<i>For Work In Restricted Working Space, Add</i>	14.15	
<i>For Installation Above 14', Add</i>	7.07	
26 05 33 13-0738 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	171.93	20.43
<i>For Work In Restricted Working Space, Add</i>	15.32	
<i>For Installation Above 14', Add</i>	7.66	
26 05 33 13-0739 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	252.70	25.15
<i>For Work In Restricted Working Space, Add</i>	18.86	
<i>For Installation Above 14', Add</i>	9.43	
26 05 33 13-0740 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	305.25	31.44
<i>For Work In Restricted Working Space, Add</i>	23.58	
<i>For Installation Above 14', Add</i>	11.79	
26 05 33 13-0741 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	418.13	37.72
<i>For Work In Restricted Working Space, Add</i>	28.30	
<i>For Installation Above 14', Add</i>	14.15	
26 05 33 13-0742 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	480.22	40.87
<i>For Work In Restricted Working Space, Add</i>	30.65	
<i>For Installation Above 14', Add</i>	15.32	
26 05 33 13-0743 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0657)</small>		
26 05 33 13-0744 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	56.73	19.65
<i>For Work In Restricted Working Space, Add</i>	11.79	
<i>For Installation Above 14', Add</i>	5.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.79	
26 05 33 13-0745 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	67.63	23.58
<i>For Work In Restricted Working Space, Add</i>	14.15	
<i>For Installation Above 14', Add</i>	7.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15	
26 05 33 13-0746 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	81.33	27.51
<i>For Work In Restricted Working Space, Add</i>	16.51	
<i>For Installation Above 14', Add</i>	8.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.51	
26 05 33 13-0747 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	94.83	31.44
<i>For Work In Restricted Working Space, Add</i>	18.86	
<i>For Installation Above 14', Add</i>	9.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33 13-0748 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	118.85	35.37
<i>For Work In Restricted Working Space, Add</i>	21.22	
<i>For Installation Above 14', Add</i>	10.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.22	
26 05 33 13-0749 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	140.92	39.30
<i>For Work In Restricted Working Space, Add</i>	23.58	
<i>For Installation Above 14', Add</i>	11.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.58	
26 05 33 13-0750 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	191.15	47.16
<i>For Work In Restricted Working Space, Add</i>	28.29	
<i>For Installation Above 14', Add</i>	14.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.29	
26 05 33 13-0751 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	228.33	55.02
<i>For Work In Restricted Working Space, Add</i>	33.01	
<i>For Installation Above 14', Add</i>	16.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.01	
26 05 33 13-0752 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	466.92	62.88
<i>For Work In Restricted Working Space, Add</i>	37.73	
<i>For Installation Above 14', Add</i>	18.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.73	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0753	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	536.33 42.44 21.22 42.44	70.74
26 05 33 13-0754 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0667)</small>					
26 05 33	13-0755	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.01 2.83 1.41	3.77
26 05 33	13-0756	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.08 4.01 2.00	5.34
26 05 33	13-0757	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.36 5.18 2.59	6.92
26 05 33	13-0758	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.99 5.90 2.95	7.86
26 05 33	13-0759	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.27 7.07 3.54	9.43
26 05 33	13-0760	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.98 8.02 4.01	10.69
26 05 33	13-0761	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.81 8.96 4.48	11.95
26 05 33	13-0762	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.57 10.14 5.07	13.51
26 05 33	13-0763	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	46.00 11.09 5.54	14.78
26 05 33	13-0764	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.41 11.79 5.89	15.72
26 05 33 13-0765 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0667)</small>					
26 05 33	13-0766	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.60 1.18 0.59	1.57
26 05 33	13-0767	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.98 1.18 0.59	1.57
26 05 33 13-0768 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.					
26 05 33 13-0769 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0768)</small> Note: Includes field bending for conduit up to 1".					
26 05 33	13-0770	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	9.78 -0.35 -0.60 -0.84 0.83 1.65	2.21
26 05 33	13-0771	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.25 -0.41 -0.69 -0.97 0.94 1.89	2.52
26 05 33	13-0772	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.28 -0.52 -0.87 -1.23 1.18 2.36	3.15
26 05 33	13-0773	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.57 -0.64 -1.08 -1.52 1.41 2.83	3.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0774 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	21.69	4.71
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.33	
For >1,000, Deduct	-1.87	
For Installation Above 14', Add	1.77	
For Work In Restricted Working Space, Add	3.54	
26 05 33 13-0775 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	27.05	5.65
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.68	
For >1,000, Deduct	-2.35	
For Installation Above 14', Add	2.12	
For Work In Restricted Working Space, Add	4.25	
26 05 33 13-0776 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	36.06	6.61
For >250 To 500, Deduct	-1.39	
For >500 To 1,000, Deduct	-2.29	
For >1,000, Deduct	-3.19	
For Installation Above 14', Add	2.48	
For Work In Restricted Working Space, Add	4.95	
26 05 33 13-0777 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	45.09	8.17
For >250 To 500, Deduct	-1.74	
For >500 To 1,000, Deduct	-2.87	
For >1,000, Deduct	-4.00	
For Installation Above 14', Add	3.06	
For Work In Restricted Working Space, Add	6.13	
26 05 33 13-0778 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	55.32	10.06
For >250 To 500, Deduct	-2.14	
For >500 To 1,000, Deduct	-3.52	
For >1,000, Deduct	-4.90	
For Installation Above 14', Add	3.77	
For Work In Restricted Working Space, Add	7.55	
26 05 33 13-0779 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	65.42	11.95
For >250 To 500, Deduct	-2.52	
For >500 To 1,000, Deduct	-4.16	
For >1,000, Deduct	-5.80	
For Installation Above 14', Add	4.48	
For Work In Restricted Working Space, Add	8.96	
26 05 33 13-0780 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	98.39	14.15
For >250 To 500, Deduct	-4.04	
For >500 To 1,000, Deduct	-6.50	
For >1,000, Deduct	-8.95	
For Installation Above 14', Add	5.31	
For Work In Restricted Working Space, Add	10.61	
26 05 33 13-0781 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	133.53	18.87
For >250 To 500, Deduct	-5.50	
For >500 To 1,000, Deduct	-8.84	
For >1,000, Deduct	-12.17	
For Installation Above 14', Add	7.07	
For Work In Restricted Working Space, Add	14.15	
26 05 33 13-0782 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings (26 05 33 13-0768)		
26 05 33 13-0783 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	10.66	3.07
For Installation Above 14', Add	0.92	
For Work In Restricted Working Space, Add	1.84	
26 05 33 13-0784 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	12.91	4.09
For Installation Above 14', Add	1.23	
For Work In Restricted Working Space, Add	2.45	
26 05 33 13-0785 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	16.37	5.11
For Installation Above 14', Add	1.53	
For Work In Restricted Working Space, Add	3.07	
26 05 33 13-0786 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	18.41	5.62
For Installation Above 14', Add	1.69	
For Work In Restricted Working Space, Add	3.37	
26 05 33 13-0787 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	21.81	6.64
For Installation Above 14', Add	1.99	
For Work In Restricted Working Space, Add	3.98	
26 05 33 13-0788 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	27.81	7.66
For Installation Above 14', Add	2.30	
For Work In Restricted Working Space, Add	4.60	
26 05 33 13-0789 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	49.27	9.19
For Installation Above 14', Add	2.76	
For Work In Restricted Working Space, Add	5.52	
26 05 33 13-0790 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	63.04	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
26 05 33 13-0791 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	77.74	14.82
For Installation Above 14', Add	4.44	
For Work In Restricted Working Space, Add	8.89	
26 05 33 13-0792 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	97.12	20.43
For Installation Above 14', Add	6.13	
For Work In Restricted Working Space, Add	12.26	
26 05 33 13-0793 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	239.51	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0794	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.45 4.75 9.50	15.84
26 05 33 13-0795 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0768)</small>					
Note: 90, 45, or 30 degree.					
26 05 33	13-0796	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.38 3.83 7.66	12.77
26 05 33	13-0797	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	48.13 4.75 9.50	15.84
26 05 33	13-0798	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	57.69 5.82 11.65	19.41
26 05 33	13-0799	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	68.13 6.74 13.49	22.48
26 05 33	13-0800	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	79.57 7.66 15.33	25.54
26 05 33	13-0801	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	95.95 8.43 16.86	28.10
26 05 33	13-0802	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	145.39 10.57 21.15	35.25
26 05 33	13-0803	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	215.73 14.41 28.82	48.02
26 05 33	13-0804	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	265.35 16.25 32.49	54.15
26 05 33	13-0805	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	307.00 21.15 42.30	70.49
26 05 33	13-0806	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	629.93 34.48 68.97	114.94
26 05 33	13-0807	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	988.37 51.80 103.61	172.67
26 05 33 13-0808 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0768)</small>					
26 05 33	13-0809	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	95.03 5.82 11.65	19.41
26 05 33	13-0810	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	107.11 6.74 13.49	22.48
26 05 33	13-0811	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	122.25 7.66 15.33	25.54
26 05 33	13-0812	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	145.20 8.43 16.86	28.10
26 05 33	13-0813	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	201.13 10.57 21.15	35.25
26 05 33 13-0814 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0768)</small>					
26 05 33	13-0815	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	105.13 5.82 11.65	19.41
26 05 33	13-0816	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	123.80 6.74 13.49	22.48
26 05 33	13-0817	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	134.22 7.66 15.33	25.54
26 05 33	13-0818	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	171.29 8.43 16.86	28.10
26 05 33	13-0819	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	226.28 10.57 21.15	35.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	290.33 14.41 28.82	48.02
26 05 33 13-0821 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0822 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	117.20 5.82 11.65	19.41
26 05 33 13-0823 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	132.49 6.74 13.49	22.48
26 05 33 13-0824 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	149.57 7.66 15.33	25.54
26 05 33 13-0825 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	179.94 8.43 16.86	28.10
26 05 33 13-0826 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	255.19 10.57 21.15	35.25
26 05 33 13-0827 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	324.27 14.41 28.82	48.02
26 05 33 13-0828 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	407.47 16.25 32.49	54.15
26 05 33 13-0829 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	461.84 21.15 42.30	70.49
26 05 33 13-0830 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0831 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	138.06 5.82 11.65	19.41
26 05 33 13-0832 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	152.89 6.74 13.49	22.48
26 05 33 13-0833 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	172.73 7.66 15.33	25.54
26 05 33 13-0834 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	213.29 8.43 16.86	28.10
26 05 33 13-0835 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	306.92 10.57 21.15	35.25
26 05 33 13-0836 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	381.77 14.41 28.82	48.02
26 05 33 13-0837 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	442.58 16.25 32.49	54.15
26 05 33 13-0838 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	526.29 21.15 42.30	70.49
26 05 33 13-0839 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0840 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	154.28 5.82 11.65	19.41
26 05 33 13-0841 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	171.87 6.74 13.49	22.48
26 05 33 13-0842 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	195.52 7.66 15.33	25.54
26 05 33 13-0843 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	242.32 8.43 16.86	28.10
26 05 33 13-0844 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	335.15 10.57 21.15	35.25
26 05 33 13-0845 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	427.76 14.41 28.82	48.02
26 05 33 13-0846 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	527.94 16.25 32.49	54.15

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0847	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	585.46 21.15 42.30	70.49
26 05 33	13-0848	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	975.32 34.48 68.97	114.94
26 05 33 13-0849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0768)</small>					
26 05 33	13-0850	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	175.51 5.82 11.65	19.41
26 05 33	13-0851	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	194.82 6.74 13.49	22.48
26 05 33	13-0852	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	220.51 7.66 15.33	25.54
26 05 33	13-0853	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	274.52 8.43 16.86	28.10
26 05 33	13-0854	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	382.19 10.57 21.15	35.25
26 05 33	13-0855	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	486.35 14.41 28.82	48.02
26 05 33	13-0856	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	570.71 16.25 32.49	54.15
26 05 33	13-0857	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	661.83 21.15 42.30	70.49
26 05 33	13-0858	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,028.85 34.48 68.97	114.94
26 05 33	13-0859	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,411.33 51.80 103.61	172.67
26 05 33 13-0860 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0768)</small>					
26 05 33	13-0861	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	205.05 5.82 11.65	19.41
26 05 33	13-0862	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	215.28 6.74 13.49	22.48
26 05 33	13-0863	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.95 7.66 15.33	25.54
26 05 33	13-0864	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	319.34 8.43 16.86	28.10
26 05 33	13-0865	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	445.62 10.58 21.15	35.25
26 05 33	13-0866	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	565.35 14.41 28.82	48.02
26 05 33	13-0867	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	689.62 16.25 32.49	54.15
26 05 33	13-0868	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	810.42 21.15 42.30	70.49
26 05 33	13-0869	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,203.45 34.48 68.97	114.94
26 05 33	13-0870	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,491.48 51.80 103.61	172.67
26 05 33 13-0871 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0768)</small>					
26 05 33	13-0872	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	212.17 5.82 11.65	19.41
26 05 33	13-0873	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	249.87 6.74 13.49	22.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0874 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	282.88	25.54
<i>For Installation Above 14', Add</i>	7.66	
<i>For Work In Restricted Working Space, Add</i>	15.33	
26 05 33 13-0875 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	332.83	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33 13-0876 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	461.46	35.25
<i>For Installation Above 14', Add</i>	10.58	
<i>For Work In Restricted Working Space, Add</i>	21.15	
26 05 33 13-0877 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	589.64	48.02
<i>For Installation Above 14', Add</i>	14.41	
<i>For Work In Restricted Working Space, Add</i>	28.82	
26 05 33 13-0878 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	754.38	54.15
<i>For Installation Above 14', Add</i>	16.25	
<i>For Work In Restricted Working Space, Add</i>	32.49	
26 05 33 13-0879 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	844.12	70.49
<i>For Installation Above 14', Add</i>	21.15	
<i>For Work In Restricted Working Space, Add</i>	42.30	
26 05 33 13-0880 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,250.35	114.94
<i>For Installation Above 14', Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	68.97	
26 05 33 13-0881 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,532.20	172.67
<i>For Installation Above 14', Add</i>	51.80	
<i>For Work In Restricted Working Space, Add</i>	103.61	
26 05 33 13-0882 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0883 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	78.81	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-0884 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	96.53	16.86
<i>For Installation Above 14', Add</i>	5.06	
<i>For Work In Restricted Working Space, Add</i>	10.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 05 33 13-0885 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	128.54	19.41
<i>For Installation Above 14', Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	11.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65	
26 05 33 13-0886 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	210.60	22.48
<i>For Installation Above 14', Add</i>	6.74	
<i>For Work In Restricted Working Space, Add</i>	13.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33 13-0887 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	232.59	25.54
<i>For Installation Above 14', Add</i>	7.66	
<i>For Work In Restricted Working Space, Add</i>	15.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.33	
26 05 33 13-0888 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	293.65	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-0889 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	797.88	35.25
<i>For Installation Above 14', Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	21.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-0890 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	952.64	48.02
<i>For Installation Above 14', Add</i>	14.41	
<i>For Work In Restricted Working Space, Add</i>	28.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.82	
26 05 33 13-0891 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,266.11	70.49
<i>For Installation Above 14', Add</i>	21.15	
<i>For Work In Restricted Working Space, Add</i>	42.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.30	
26 05 33 13-0892 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0893 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	75.57	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-0894 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	92.87	16.86
<i>For Installation Above 14', Add</i>	5.06	
<i>For Work In Restricted Working Space, Add</i>	10.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 05 33 13-0895 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	128.54	19.41
<i>For Installation Above 14', Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	11.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0896 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	208.72	22.48
For Installation Above 14', Add	6.74	
For Work In Restricted Working Space, Add	13.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.49	
26 05 33 13-0897 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	224.99	25.54
For Installation Above 14', Add	7.66	
For Work In Restricted Working Space, Add	15.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.33	
26 05 33 13-0898 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	293.74	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.86	
26 05 33 13-0899 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	765.48	35.25
For Installation Above 14', Add	10.57	
For Work In Restricted Working Space, Add	21.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.15	
26 05 33 13-0900 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	929.00	48.02
For Installation Above 14', Add	14.41	
For Work In Restricted Working Space, Add	28.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.82	
26 05 33 13-0901 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,266.06	70.49
For Installation Above 14', Add	21.15	
For Work In Restricted Working Space, Add	42.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.30	
26 05 33 13-0902 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0903 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	68.40	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 05 33 13-0904 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	81.99	16.86
For Installation Above 14', Add	5.06	
For Work In Restricted Working Space, Add	10.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.11	
26 05 33 13-0905 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	96.73	19.41
For Installation Above 14', Add	5.82	
For Work In Restricted Working Space, Add	11.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.65	
26 05 33 13-0906 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	137.13	22.48
For Installation Above 14', Add	6.74	
For Work In Restricted Working Space, Add	13.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.49	
26 05 33 13-0907 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	160.16	25.54
For Installation Above 14', Add	7.66	
For Work In Restricted Working Space, Add	15.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.33	
26 05 33 13-0908 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	246.89	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.86	
26 05 33 13-0909 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	675.26	35.25
For Installation Above 14', Add	10.57	
For Work In Restricted Working Space, Add	21.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.15	
26 05 33 13-0910 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	760.47	48.02
For Installation Above 14', Add	14.41	
For Work In Restricted Working Space, Add	28.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.82	
26 05 33 13-0911 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	971.60	70.49
For Installation Above 14', Add	21.15	
For Work In Restricted Working Space, Add	42.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.30	
26 05 33 13-0912 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0913 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	116.37	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 05 33 13-0914 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	175.27	16.86
For Installation Above 14', Add	5.06	
For Work In Restricted Working Space, Add	10.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0915 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	220.27	19.41
<i>For Installation Above 14', Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	11.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65	
26 05 33 13-0916 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	254.25	22.48
<i>For Installation Above 14', Add</i>	6.74	
<i>For Work In Restricted Working Space, Add</i>	13.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33 13-0917 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	288.77	25.54
<i>For Installation Above 14', Add</i>	7.66	
<i>For Work In Restricted Working Space, Add</i>	15.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.33	
26 05 33 13-0918 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	379.74	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-0919 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,192.27	35.25
<i>For Installation Above 14', Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	21.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-0920 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,392.48	48.02
<i>For Installation Above 14', Add</i>	14.41	
<i>For Work In Restricted Working Space, Add</i>	28.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.82	
26 05 33 13-0921 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,712.66	70.49
<i>For Installation Above 14', Add</i>	21.15	
<i>For Work In Restricted Working Space, Add</i>	42.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.30	
26 05 33 13-0922 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0923 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	129.10	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-0924 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	187.29	16.86
<i>For Installation Above 14', Add</i>	5.06	
<i>For Work In Restricted Working Space, Add</i>	10.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.11	
26 05 33 13-0925 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	222.56	19.41
<i>For Installation Above 14', Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	11.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65	
26 05 33 13-0926 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	258.02	22.48
<i>For Installation Above 14', Add</i>	6.74	
<i>For Work In Restricted Working Space, Add</i>	13.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33 13-0927 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	299.10	25.54
<i>For Installation Above 14', Add</i>	7.66	
<i>For Work In Restricted Working Space, Add</i>	15.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.33	
26 05 33 13-0928 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	470.59	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-0929 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,329.34	35.25
<i>For Installation Above 14', Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	21.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-0930 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,871.05	48.02
<i>For Installation Above 14', Add</i>	14.41	
<i>For Work In Restricted Working Space, Add</i>	28.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.82	
26 05 33 13-0931 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,954.92	70.49
<i>For Installation Above 14', Add</i>	21.15	
<i>For Work In Restricted Working Space, Add</i>	42.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.30	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0932 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0933 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	102.34	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 05 33 13-0934 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	129.17	16.86
For Installation Above 14', Add	5.06	
For Work In Restricted Working Space, Add	10.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.11	
26 05 33 13-0935 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	154.72	19.41
For Installation Above 14', Add	5.82	
For Work In Restricted Working Space, Add	11.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.65	
26 05 33 13-0936 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	171.49	22.48
For Installation Above 14', Add	6.74	
For Work In Restricted Working Space, Add	13.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.49	
26 05 33 13-0937 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	230.68	25.54
For Installation Above 14', Add	7.66	
For Work In Restricted Working Space, Add	15.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.33	
26 05 33 13-0938 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	325.59	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.86	
26 05 33 13-0939 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,078.73	35.25
For Installation Above 14', Add	10.57	
For Work In Restricted Working Space, Add	21.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.15	
26 05 33 13-0940 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,214.95	48.02
For Installation Above 14', Add	14.41	
For Work In Restricted Working Space, Add	28.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.82	
26 05 33 13-0941 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,444.61	70.49
For Installation Above 14', Add	21.15	
For Work In Restricted Working Space, Add	42.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.30	
26 05 33 13-0942 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0768)</small>		
Note: Suitable for use in hazardous locations. Class 1, Div 2.		
26 05 33 13-0943 EA 1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	93.40	24.52
For Installation Above 14', Add	7.36	
For Work In Restricted Working Space, Add	14.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.71	
26 05 33 13-0944 EA 3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	105.38	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.86	
26 05 33 13-0945 EA 1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	130.19	32.18
For Installation Above 14', Add	9.66	
For Work In Restricted Working Space, Add	19.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.31	
26 05 33 13-0946 EA 1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	170.13	37.29
For Installation Above 14', Add	11.19	
For Work In Restricted Working Space, Add	22.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.37	
26 05 33 13-0947 EA 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	198.42	40.87
For Installation Above 14', Add	12.26	
For Work In Restricted Working Space, Add	24.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-0948 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	270.11	49.04
For Installation Above 14', Add	14.71	
For Work In Restricted Working Space, Add	29.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0949 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	453.62	68.97
<i>For Installation Above 14', Add</i>	20.69	
<i>For Work In Restricted Working Space, Add</i>	41.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.38	
26 05 33 13-0950 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	581.03	91.96
<i>For Installation Above 14', Add</i>	27.59	
<i>For Work In Restricted Working Space, Add</i>	55.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.18	
26 05 33 13-0951 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	806.85	114.94
<i>For Installation Above 14', Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	68.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.97	
26 05 33 13-0952 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	926.69	139.98
<i>For Installation Above 14', Add</i>	41.99	
<i>For Work In Restricted Working Space, Add</i>	83.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.99	
26 05 33 13-0953 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0768)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0954 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	122.05	32.18
<i>For Installation Above 14', Add</i>	9.66	
<i>For Work In Restricted Working Space, Add</i>	19.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	
26 05 33 13-0955 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	139.06	35.76
<i>For Installation Above 14', Add</i>	10.73	
<i>For Work In Restricted Working Space, Add</i>	21.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.46	
26 05 33 13-0956 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	169.65	39.34
<i>For Installation Above 14', Add</i>	11.80	
<i>For Work In Restricted Working Space, Add</i>	23.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.60	
26 05 33 13-0957 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	227.76	44.95
<i>For Installation Above 14', Add</i>	13.49	
<i>For Work In Restricted Working Space, Add</i>	26.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-0958 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	268.95	49.04
<i>For Installation Above 14', Add</i>	14.71	
<i>For Work In Restricted Working Space, Add</i>	29.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.42	
26 05 33 13-0959 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	366.00	60.28
<i>For Installation Above 14', Add</i>	18.09	
<i>For Work In Restricted Working Space, Add</i>	36.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.17	
26 05 33 13-0960 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0768)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0961 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	107.41	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-0962 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	122.58	32.69
<i>For Installation Above 14', Add</i>	9.81	
<i>For Work In Restricted Working Space, Add</i>	19.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.62	
26 05 33 13-0963 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	148.14	35.76
<i>For Installation Above 14', Add</i>	10.73	
<i>For Work In Restricted Working Space, Add</i>	21.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.46	
26 05 33 13-0964 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	189.60	40.87
<i>For Installation Above 14', Add</i>	12.26	
<i>For Work In Restricted Working Space, Add</i>	24.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 33 13-0965 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	224.61	44.95
<i>For Installation Above 14', Add</i>	13.49	
<i>For Work In Restricted Working Space, Add</i>	26.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-0966 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	300.84	52.62
<i>For Installation Above 14', Add</i>	15.79	
<i>For Work In Restricted Working Space, Add</i>	31.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.57	
26 05 33 13-0967 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	483.67	76.63
<i>For Installation Above 14', Add</i>	22.99	
<i>For Work In Restricted Working Space, Add</i>	45.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.98	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0968	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	640.14 29.88 59.77 59.77	99.62
26 05 33	13-0969	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	878.94 36.78 73.56 73.56	122.60
26 05 33	13-0970	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	982.80 44.29 88.59 88.59	147.64
26 05 33 13-0971 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0768)</small>					
26 05 33	13-0972	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	15.37 0.92 1.84	3.07
26 05 33	13-0973	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	17.34 1.07 2.15	3.58
26 05 33	13-0974	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	22.56 1.38 2.76	4.60
26 05 33	13-0975	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	28.77 1.69 3.37	5.62
26 05 33	13-0976	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	32.51 1.99 3.98	6.64
26 05 33	13-0977	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	39.77 2.30 4.60	7.66
26 05 33	13-0978	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	50.42 2.61 5.21	8.68
26 05 33	13-0979	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	57.57 3.68 7.36	12.26
26 05 33	13-0980	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	69.03 4.14 8.28	13.79
26 05 33	13-0981	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	76.18 5.21 10.42	17.37
26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>					
26 05 33	13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.33 7.36 14.71 14.71	24.52
26 05 33	13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.74 8.43 16.86 16.86	28.10
26 05 33	13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.28 9.66 19.31 19.31	32.18
26 05 33	13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.68 11.19 22.37 22.37	37.29
26 05 33	13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.80 12.26 24.52 24.52	40.87
26 05 33	13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.30 14.71 29.42 29.42	49.04
26 05 33	13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.17 20.69 41.38 41.38	68.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0990 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	451.86	91.96
<i>For Installation Above 14', Add</i>	27.59	
<i>For Work In Restricted Working Space, Add</i>	55.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.17	
26 05 33 13-0991 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	898.32	114.94
<i>For Installation Above 14', Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	68.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.97	
26 05 33 13-0992 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,313.21	139.98
<i>For Installation Above 14', Add</i>	41.99	
<i>For Work In Restricted Working Space, Add</i>	83.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.99	
26 05 33 13-0993 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-0994 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	178.60	24.52
<i>For Installation Above 14', Add</i>	7.36	
<i>For Work In Restricted Working Space, Add</i>	14.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.71	
26 05 33 13-0995 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	192.49	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-0996 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	219.81	32.18
<i>For Installation Above 14', Add</i>	9.66	
<i>For Work In Restricted Working Space, Add</i>	19.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	
26 05 33 13-0997 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	246.16	37.29
<i>For Installation Above 14', Add</i>	11.19	
<i>For Work In Restricted Working Space, Add</i>	22.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.37	
26 05 33 13-0998 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	298.05	40.87
<i>For Installation Above 14', Add</i>	12.26	
<i>For Work In Restricted Working Space, Add</i>	24.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 33 13-0999 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	335.81	49.04
<i>For Installation Above 14', Add</i>	14.71	
<i>For Work In Restricted Working Space, Add</i>	29.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.42	
26 05 33 13-1000 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	472.46	68.97
<i>For Installation Above 14', Add</i>	20.69	
<i>For Work In Restricted Working Space, Add</i>	41.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.38	
26 05 33 13-1001 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	657.86	91.96
<i>For Installation Above 14', Add</i>	27.59	
<i>For Work In Restricted Working Space, Add</i>	55.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.17	
26 05 33 13-1002 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	958.14	114.94
<i>For Installation Above 14', Add</i>	34.48	
<i>For Work In Restricted Working Space, Add</i>	68.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.97	
26 05 33 13-1003 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,391.49	139.98
<i>For Installation Above 14', Add</i>	41.99	
<i>For Work In Restricted Working Space, Add</i>	83.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.99	
26 05 33 13-1004 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-1005 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	143.33	24.52
<i>For Installation Above 14', Add</i>	7.36	
<i>For Work In Restricted Working Space, Add</i>	14.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.71	
26 05 33 13-1006 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	152.99	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-1007 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	175.76	32.18
<i>For Installation Above 14', Add</i>	9.66	
<i>For Work In Restricted Working Space, Add</i>	19.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	
26 05 33 13-1008 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	196.20	37.29
<i>For Installation Above 14', Add</i>	11.19	
<i>For Work In Restricted Working Space, Add</i>	22.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1009 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	268.96	40.87
For Installation Above 14', Add	12.26	
For Work In Restricted Working Space, Add	24.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-1010 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	337.57	49.04
For Installation Above 14', Add	14.71	
For Work In Restricted Working Space, Add	29.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.42	
26 05 33 13-1011 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	523.61	68.97
For Installation Above 14', Add	20.69	
For Work In Restricted Working Space, Add	41.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.38	
26 05 33 13-1012 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	761.93	91.96
For Installation Above 14', Add	27.59	
For Work In Restricted Working Space, Add	55.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.17	
26 05 33 13-1013 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	958.14	114.94
For Installation Above 14', Add	34.48	
For Work In Restricted Working Space, Add	68.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.97	
26 05 33 13-1014 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-1015 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	188.95	24.52
For Installation Above 14', Add	7.36	
For Work In Restricted Working Space, Add	14.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.71	
26 05 33 13-1016 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	209.76	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.86	
26 05 33 13-1017 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	259.77	32.18
For Installation Above 14', Add	9.66	
For Work In Restricted Working Space, Add	19.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.31	
26 05 33 13-1018 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	320.05	37.29
For Installation Above 14', Add	11.19	
For Work In Restricted Working Space, Add	22.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.37	
26 05 33 13-1019 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	443.94	40.87
For Installation Above 14', Add	12.26	
For Work In Restricted Working Space, Add	24.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-1020 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	532.05	49.04
For Installation Above 14', Add	14.71	
For Work In Restricted Working Space, Add	29.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.42	
26 05 33 13-1021 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0768)</small>		
26 05 33 13-1022 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	36.79	9.82
For Installation Above 14', Add	2.95	
For Work In Restricted Working Space, Add	5.90	
26 05 33 13-1023 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	48.70	11.79
For Installation Above 14', Add	3.54	
For Work In Restricted Working Space, Add	7.07	
26 05 33 13-1024 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	61.94	15.72
For Installation Above 14', Add	4.72	
For Work In Restricted Working Space, Add	9.43	
26 05 33 13-1025 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	85.07	19.65
For Installation Above 14', Add	5.90	
For Work In Restricted Working Space, Add	11.79	
26 05 33 13-1026 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	111.46	23.58
For Installation Above 14', Add	7.07	
For Work In Restricted Working Space, Add	14.15	
26 05 33 13-1027 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	190.98	27.51
For Installation Above 14', Add	8.25	
For Work In Restricted Working Space, Add	16.51	
26 05 33 13-1028 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	276.94	31.44
For Installation Above 14', Add	9.43	
For Work In Restricted Working Space, Add	18.86	
26 05 33 13-1029 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	345.24	35.37
For Installation Above 14', Add	10.61	
For Work In Restricted Working Space, Add	21.22	
26 05 33 13-1030 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	480.00	41.26
For Installation Above 14', Add	12.38	
For Work In Restricted Working Space, Add	24.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1031 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	582.60 14.15 28.29	47.16
26 05 33 13-1032 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	932.41 22.40 44.80	74.66
26 05 33 13-1033 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,275.40 34.19 68.38	113.96
 26 05 33 13-1034 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1035 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	135.28 7.36 14.71	24.52
26 05 33 13-1036 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	159.80 8.12 16.25	27.08
26 05 33 13-1037 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	176.49 9.66 19.31	32.18
26 05 33 13-1038 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.00 11.19 22.37	37.29
26 05 33 13-1039 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	333.16 12.26 24.52	40.87
26 05 33 13-1040 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	359.94 14.71 29.42	49.04
26 05 33 13-1041 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	846.85 20.39 40.77	67.95
26 05 33 13-1042 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	895.03 27.59 55.18	91.96
26 05 33 13-1043 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,461.66 34.49 68.97	114.94
26 05 33 13-1044 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,523.68 42.00 83.99	139.98
 26 05 33 13-1045 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1046 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	196.66 7.36 14.71	24.52
26 05 33 13-1047 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	224.05 8.43 16.86	28.10
26 05 33 13-1048 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	440.53 9.66 19.31	32.18
26 05 33 13-1049 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	462.36 11.19 22.37	37.29
26 05 33 13-1050 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	631.39 12.26 24.52	40.87
26 05 33 13-1051 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	673.80 14.71 29.42	49.04
26 05 33 13-1052 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,293.95 20.69 41.38	68.97
26 05 33 13-1053 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,362.78 27.59 55.17	91.96
26 05 33 13-1054 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,995.22 34.48 68.97	114.94

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1055 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,259.88	139.98
For Installation Above 14', Add	41.99	
For Work In Restricted Working Space, Add	83.99	
26 05 33 13-1056 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0768)		
26 05 33 13-1057 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	75.65	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
26 05 33 13-1058 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	88.10	15.84
For Installation Above 14', Add	4.75	
For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1059 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	104.98	19.41
For Installation Above 14', Add	5.82	
For Work In Restricted Working Space, Add	11.65	
26 05 33 13-1060 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	123.89	22.48
For Installation Above 14', Add	6.74	
For Work In Restricted Working Space, Add	13.49	
26 05 33 13-1061 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0768)		
26 05 33 13-1062 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	59.66	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
26 05 33 13-1063 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	68.91	15.84
For Installation Above 14', Add	4.75	
For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1064 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	95.63	19.41
For Installation Above 14', Add	5.82	
For Work In Restricted Working Space, Add	11.65	
26 05 33 13-1065 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	123.96	22.48
For Installation Above 14', Add	6.74	
For Work In Restricted Working Space, Add	13.49	
26 05 33 13-1066 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	151.01	25.54
For Installation Above 14', Add	7.66	
For Work In Restricted Working Space, Add	15.33	
26 05 33 13-1067 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	216.86	28.10
For Installation Above 14', Add	8.43	
For Work In Restricted Working Space, Add	16.86	
26 05 33 13-1068 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	296.24	35.25
For Installation Above 14', Add	10.57	
For Work In Restricted Working Space, Add	21.15	
26 05 33 13-1069 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows (26 05 33 13-0768)		
26 05 33 13-1070 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	75.68	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
26 05 33 13-1071 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	90.31	15.84
For Installation Above 14', Add	4.75	
For Work In Restricted Working Space, Add	9.50	
26 05 33 13-1072 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	105.00	19.41
For Installation Above 14', Add	5.82	
For Work In Restricted Working Space, Add	11.65	
26 05 33 13-1073 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	123.93	22.48
For Installation Above 14', Add	6.74	
For Work In Restricted Working Space, Add	13.49	
26 05 33 13-1074 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0768)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1075 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	59.71	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
26 05 33 13-1076 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	68.91	15.84
<i>For Installation Above 14', Add</i>	4.75	
<i>For Work In Restricted Working Space, Add</i>	9.50	
26 05 33 13-1077 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	89.01	19.41
<i>For Installation Above 14', Add</i>	5.82	
<i>For Work In Restricted Working Space, Add</i>	11.65	
26 05 33 13-1078 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	111.10	22.48
<i>For Installation Above 14', Add</i>	6.74	
<i>For Work In Restricted Working Space, Add</i>	13.49	
26 05 33 13-1079 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	130.07	25.54
<i>For Installation Above 14', Add</i>	7.66	
<i>For Work In Restricted Working Space, Add</i>	15.33	
26 05 33 13-1080 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	149.77	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33 13-1081 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	279.13	35.25
<i>For Installation Above 14', Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	21.15	
26 05 33 13-1082 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	320.19	48.02
<i>For Installation Above 14', Add</i>	14.41	
<i>For Work In Restricted Working Space, Add</i>	28.82	
26 05 33 13-1083 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	345.53	54.15
<i>For Installation Above 14', Add</i>	16.25	
<i>For Work In Restricted Working Space, Add</i>	32.49	
26 05 33 13-1084 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	426.41	70.49
<i>For Installation Above 14', Add</i>	21.15	
<i>For Work In Restricted Working Space, Add</i>	42.30	
26 05 33 13-1085 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0788)</small>		
26 05 33 13-1086 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	124.92	24.52
<i>For Installation Above 14', Add</i>	7.36	
<i>For Work In Restricted Working Space, Add</i>	14.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.71	
26 05 33 13-1087 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	135.07	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 05 33 13-1088 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	147.90	32.18
<i>For Installation Above 14', Add</i>	9.66	
<i>For Work In Restricted Working Space, Add</i>	19.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.31	
26 05 33 13-1089 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	198.43	37.29
<i>For Installation Above 14', Add</i>	11.19	
<i>For Work In Restricted Working Space, Add</i>	22.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.37	
26 05 33 13-1090 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	252.26	40.87
<i>For Installation Above 14', Add</i>	12.26	
<i>For Work In Restricted Working Space, Add</i>	24.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 33 13-1091 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0788)</small>		
26 05 33 13-1092 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	150.26	24.52
<i>For Installation Above 14', Add</i>	7.36	
<i>For Work In Restricted Working Space, Add</i>	14.71	
26 05 33 13-1093 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	161.96	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33 13-1094 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	189.28	32.18
<i>For Installation Above 14', Add</i>	9.66	
<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33 13-1095 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	270.25	37.29
<i>For Installation Above 14', Add</i>	11.19	
<i>For Work In Restricted Working Space, Add</i>	22.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1096	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	438.37	40.87
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Work In Restricted Working Space, Add</i>	24.52	
26 05 33	13-1097	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	473.82	49.04
			<i>For Installation Above 14', Add</i>	14.71	
			<i>For Work In Restricted Working Space, Add</i>	29.42	
26 05 33 13-1098 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover (26 05 33 13-0768)					
26 05 33	13-1099	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	164.64	24.52
			<i>For Installation Above 14', Add</i>	7.36	
			<i>For Work In Restricted Working Space, Add</i>	14.71	
26 05 33	13-1100	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	185.94	28.10
			<i>For Installation Above 14', Add</i>	8.43	
			<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33	13-1101	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	202.97	32.18
			<i>For Installation Above 14', Add</i>	9.66	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33	13-1102	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	284.16	37.29
			<i>For Installation Above 14', Add</i>	11.19	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
26 05 33	13-1103	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	471.53	40.87
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Work In Restricted Working Space, Add</i>	24.52	
26 05 33	13-1104	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	504.26	49.04
			<i>For Installation Above 14', Add</i>	14.71	
			<i>For Work In Restricted Working Space, Add</i>	29.42	
26 05 33 13-1105 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover (26 05 33 13-0768)					
26 05 33	13-1106	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	164.75	24.52
			<i>For Installation Above 14', Add</i>	7.36	
			<i>For Work In Restricted Working Space, Add</i>	14.71	
26 05 33	13-1107	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	181.70	28.10
			<i>For Installation Above 14', Add</i>	8.43	
			<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33	13-1108	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	216.17	32.18
			<i>For Installation Above 14', Add</i>	9.66	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33	13-1109	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	294.75	37.29
			<i>For Installation Above 14', Add</i>	11.19	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
26 05 33	13-1110	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	487.34	40.87
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Work In Restricted Working Space, Add</i>	24.52	
26 05 33	13-1111	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	523.75	49.04
			<i>For Installation Above 14', Add</i>	14.71	
			<i>For Work In Restricted Working Space, Add</i>	29.42	
26 05 33 13-1112 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0768)					
26 05 33	13-1113	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	204.56	24.52
			<i>For Installation Above 14', Add</i>	7.36	
			<i>For Work In Restricted Working Space, Add</i>	14.71	
26 05 33	13-1114	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	225.95	28.10
			<i>For Installation Above 14', Add</i>	8.43	
			<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33	13-1115	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	244.95	32.18
			<i>For Installation Above 14', Add</i>	9.66	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
26 05 33	13-1116	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	616.47	37.29
			<i>For Installation Above 14', Add</i>	11.19	
			<i>For Work In Restricted Working Space, Add</i>	22.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1117				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0768) Note: Excludes cover.		
26 05 33 13-1118	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....98.42		24.52
				For Installation Above 14', Add	7.36	
				For Work In Restricted Working Space, Add	14.71	
26 05 33 13-1119	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....108.25		28.10
				For Installation Above 14', Add	8.43	
				For Work In Restricted Working Space, Add	16.86	
26 05 33 13-1120	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....120.88		32.18
				For Installation Above 14', Add	9.66	
				For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1121	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....109.21		24.52
				For Installation Above 14', Add	7.36	
				For Work In Restricted Working Space, Add	14.71	
26 05 33 13-1122	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....117.69		28.10
				For Installation Above 14', Add	8.43	
				For Work In Restricted Working Space, Add	16.86	
26 05 33 13-1123	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....134.00		32.18
				For Installation Above 14', Add	9.66	
				For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1124				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes (26 05 33 13-0768) Note: Excludes cover.		
26 05 33 13-1125	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....103.52		24.52
				For Installation Above 14', Add	7.36	
				For Work In Restricted Working Space, Add	14.71	
26 05 33 13-1126	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....113.99		28.10
				For Installation Above 14', Add	8.43	
				For Work In Restricted Working Space, Add	16.86	
26 05 33 13-1127	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....124.85		32.18
				For Installation Above 14', Add	9.66	
				For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1128	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....116.51		24.52
				For Installation Above 14', Add	7.36	
				For Work In Restricted Working Space, Add	14.71	
26 05 33 13-1129	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....127.11		28.10
				For Installation Above 14', Add	8.43	
				For Work In Restricted Working Space, Add	16.86	
26 05 33 13-1130	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....143.69		32.18
				For Installation Above 14', Add	9.66	
				For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1131				Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers (26 05 33 13-0768)		
26 05 33 13-1132	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover .....36.69		3.07
				For Installation Above 14', Add	0.92	
				For Work In Restricted Working Space, Add	1.84	
26 05 33 13-1133	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover .....49.89		3.58
				For Installation Above 14', Add	1.07	
				For Work In Restricted Working Space, Add	2.15	
26 05 33 13-1134	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover .....47.09		3.58
				For Installation Above 14', Add	1.07	
				For Work In Restricted Working Space, Add	2.15	
26 05 33 13-1135	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover .....41.85		3.58
				For Installation Above 14', Add	1.07	
				For Work In Restricted Working Space, Add	2.15	
26 05 33 13-1136	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover .....204.14		5.11
				For Installation Above 14', Add	1.53	
				For Work In Restricted Working Space, Add	3.07	
26 05 33 13-1137	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover .....181.45		5.11
				For Installation Above 14', Add	1.53	
				For Work In Restricted Working Space, Add	3.07	
26 05 33 13-1138				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies (26 05 33 13-0768) Note: Includes covers.		
26 05 33 13-1139	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....213.25		32.18
				For Installation Above 14', Add	9.66	
				For Work In Restricted Working Space, Add	19.31	
26 05 33 13-1140	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....239.52		37.29
				For Installation Above 14', Add	11.19	
				For Work In Restricted Working Space, Add	22.37	
26 05 33 13-1141	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....330.74		40.87
				For Installation Above 14', Add	12.26	
				For Work In Restricted Working Space, Add	24.52	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1142	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....394.10 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.71 29.42	49.04
26 05 33 13-1143	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....569.34 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	20.69 41.38	68.97
26 05 33 13-1144	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....718.39 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.59 55.17	91.96
26 05 33 13-1145	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....1,053.05 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	34.48 68.97	114.94
26 05 33 13-1146	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....1,306.64 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.99 83.99	139.98
26 05 33 13-1147	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....213.25 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	9.66 19.31	32.18
26 05 33 13-1148	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....239.52 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.19 22.37	37.29
26 05 33 13-1149	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....329.83 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	12.26 24.52	40.87
26 05 33 13-1150	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....384.86 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.71 29.42	49.04
26 05 33 13-1151	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....577.85 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	20.69 41.38	68.97
26 05 33 13-1152	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....756.55 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.59 55.17	91.96
26 05 33 13-1153	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,099.12 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	34.48 68.97	114.94
26 05 33 13-1154	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....1,335.33 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.99 83.99	139.98
26 05 33 13-1155	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....213.25 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	9.66 19.31	32.18
26 05 33 13-1156	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....239.52 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.19 22.37	37.29
26 05 33 13-1157	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....329.83 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	12.26 24.52	40.87
26 05 33 13-1158	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....384.86 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.71 29.42	49.04
26 05 33 13-1159	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....577.85 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	20.69 41.38	68.97
26 05 33 13-1160	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....756.55 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.59 55.17	91.96
26 05 33 13-1161	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....1,099.12 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	34.48 68.97	114.94
26 05 33 13-1162	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body .....1,335.33 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	41.99 83.99	139.98
26 05 33 13-1163	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....213.25 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	9.66 19.31	32.18
26 05 33 13-1164	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....239.52 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.19 22.37	37.29
26 05 33 13-1165	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....330.74 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	12.26 24.52	40.87
26 05 33 13-1166	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....389.83 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	14.71 29.42	49.04
26 05 33 13-1167	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....569.34 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	20.69 41.38	68.97
26 05 33 13-1168	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....718.39 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	27.59 55.17	91.96
26 05 33 13-1169	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body .....1,053.05 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	34.48 68.97	114.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1170 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,318.59 41.99 83.99	139.98
26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0768)</small>		
26 05 33 13-1172 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	106.19 1.38 2.76	4.60
26 05 33 13-1173 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	107.22 1.53 3.07	5.11
26 05 33 13-1174 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	151.57 2.15 4.29	7.15
26 05 33 13-1175 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	153.61 2.45 4.91	8.17
26 05 33 13-1176 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	268.48 2.91 5.82	9.70
26 05 33 13-1177 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	273.59 3.68 7.36	12.26
26 05 33 13-1178 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	412.15 4.14 8.28	13.79
26 05 33 13-1179 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	420.32 5.36 10.73	17.88
26 05 33 13-1180 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-1181 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	182.80 3.83 7.66	12.77
26 05 33 13-1182 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	215.97 4.75 9.50	15.84
26 05 33 13-1183 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	255.63 5.82 11.65	19.41
26 05 33 13-1184 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	314.93 6.74 13.49	22.48
26 05 33 13-1185 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	421.09 7.66 15.33	25.54
26 05 33 13-1186 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	583.13 8.43 16.86	28.10
26 05 33 13-1187 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	832.86 10.57 21.15	35.25
26 05 33 13-1188 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,035.56 14.41 28.82	48.02
26 05 33 13-1189 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,453.15 16.25 32.49	54.15
26 05 33 13-1190 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,674.67 21.15 42.30	70.49
26 05 33 13-1191 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0768)</small>		
26 05 33 13-1192 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	290.53 3.83 7.66	12.77
26 05 33 13-1193 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	301.66 4.75 9.50	15.84

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1194	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	338.78	19.41
			<i>For Installation Above 14', Add</i>	5.82	
			<i>For Work In Restricted Working Space, Add</i>	11.65	
26 05 33 13-1195	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	409.95	22.48
			<i>For Installation Above 14', Add</i>	6.74	
			<i>For Work In Restricted Working Space, Add</i>	13.49	
26 05 33 13-1196	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	496.95	25.54
			<i>For Installation Above 14', Add</i>	7.66	
			<i>For Work In Restricted Working Space, Add</i>	15.33	
26 05 33 13-1197	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	635.35	28.10
			<i>For Installation Above 14', Add</i>	8.43	
			<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33 13-1198	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	938.07	35.25
			<i>For Installation Above 14', Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	21.15	
26 05 33 13-1199	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,176.15	48.02
			<i>For Installation Above 14', Add</i>	14.41	
			<i>For Work In Restricted Working Space, Add</i>	28.82	
26 05 33 13-1200	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,498.53	54.15
			<i>For Installation Above 14', Add</i>	16.25	
			<i>For Work In Restricted Working Space, Add</i>	32.49	
26 05 33 13-1201	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,875.68	70.49
			<i>For Installation Above 14', Add</i>	21.15	
			<i>For Work In Restricted Working Space, Add</i>	42.30	
26 05 33 13-1202 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0768)					
26 05 33 13-1203	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	60.37	6.14
			<i>For Installation Above 14', Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 05 33 13-1204	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	65.47	7.66
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33 13-1205	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	72.04	9.19
			<i>For Installation Above 14', Add</i>	2.76	
			<i>For Work In Restricted Working Space, Add</i>	5.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-1206	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	81.50	11.24
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1207	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	109.60	12.77
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	7.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-1208	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	133.93	14.31
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33 13-1209	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	191.70	17.88
			<i>For Installation Above 14', Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	10.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.73	
26 05 33 13-1210	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	250.26	24.01
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33 13-1211	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	319.52	27.08
			<i>For Installation Above 14', Add</i>	8.12	
			<i>For Work In Restricted Working Space, Add</i>	16.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25	
26 05 33 13-1212	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	401.87	35.25
			<i>For Installation Above 14', Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	21.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-1213	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	499.81	57.22
			<i>For Installation Above 14', Add</i>	17.16	
			<i>For Work In Restricted Working Space, Add</i>	34.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.33	
26 05 33 13-1214	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub.....	753.80	86.33
			<i>For Installation Above 14', Add</i>	25.90	
			<i>For Work In Restricted Working Space, Add</i>	51.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1215 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0768)</small>		
26 05 33 13-1216 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	90.98	6.14
For Installation Above 14', Add	1.84	
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-1217 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	96.30	7.66
For Installation Above 14', Add	2.30	
For Work In Restricted Working Space, Add	4.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.60	
26 05 33 13-1218 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	103.54	9.19
For Installation Above 14', Add	2.76	
For Work In Restricted Working Space, Add	5.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-1219 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	118.23	11.24
For Installation Above 14', Add	3.37	
For Work In Restricted Working Space, Add	6.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.74	
26 05 33 13-1220 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	126.94	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 05 33 13-1221 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	143.59	14.31
For Installation Above 14', Add	4.29	
For Work In Restricted Working Space, Add	8.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.58	
26 05 33 13-1222 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	218.81	17.88
For Installation Above 14', Add	5.36	
For Work In Restricted Working Space, Add	10.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.73	
26 05 33 13-1223 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	261.95	24.01
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.41	
26 05 33 13-1224 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	322.05	27.08
For Installation Above 14', Add	8.12	
For Work In Restricted Working Space, Add	16.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.25	
26 05 33 13-1225 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	418.17	35.25
For Installation Above 14', Add	10.57	
For Work In Restricted Working Space, Add	21.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.15	
26 05 33 13-1226 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	650.56	57.22
For Installation Above 14', Add	17.16	
For Work In Restricted Working Space, Add	34.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.33	
26 05 33 13-1227 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,064.45	86.33
For Installation Above 14', Add	25.90	
For Work In Restricted Working Space, Add	51.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.80	
26 05 33 13-1228 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0768)</small>		
26 05 33 13-1229 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	97.78	6.14
For Installation Above 14', Add	1.84	
For Work In Restricted Working Space, Add	3.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-1230 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	102.76	7.66
For Installation Above 14', Add	2.30	
For Work In Restricted Working Space, Add	4.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.60	
26 05 33 13-1231 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	110.29	9.19
For Installation Above 14', Add	2.76	
For Work In Restricted Working Space, Add	5.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.52	
26 05 33 13-1232 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	138.72	11.24
For Installation Above 14', Add	3.37	
For Work In Restricted Working Space, Add	6.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.74	
26 05 33 13-1233 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	151.68	12.77
For Installation Above 14', Add	3.83	
For Work In Restricted Working Space, Add	7.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.66	
26 05 33 13-1234 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	160.66	14.31
For Installation Above 14', Add	4.29	
For Work In Restricted Working Space, Add	8.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.58	
26 05 33 13-1235 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0768)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1236	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....72.76 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	72.76 3.83 7.66	12.77
26 05 33 13-1237	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....79.76 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	79.76 4.75 9.50	15.84
26 05 33 13-1238	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....103.28 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	103.28 5.82 11.65	19.41
26 05 33 13-1239	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....148.68 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	148.68 6.74 13.49	22.48
26 05 33 13-1240	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....176.20 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	176.20 7.66 15.33	25.54
26 05 33 13-1241	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....222.93 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	222.93 8.43 16.86	28.10
26 05 33 13-1242	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....296.22 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	296.22 10.57 21.15	35.25
26 05 33 13-1243	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....381.69 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	381.69 10.57 21.15	35.25
26 05 33 13-1244	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....494.33 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	494.33 16.25 32.49	54.15
26 05 33 13-1245	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....636.66 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	636.66 21.15 42.30	70.49
26 05 33 13-1246	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....1,156.34 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,156.34 34.48 68.97	114.94
26 05 33 13-1247	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....1,448.74 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,448.74 51.80 103.61	172.67
26 05 33 13-1248			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0768)</small>		
26 05 33 13-1249	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....74.35 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	74.35 3.83 7.66	12.77
26 05 33 13-1250	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....85.83 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	85.83 4.75 9.50	15.84
26 05 33 13-1251	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....106.52 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	106.52 5.82 11.65	19.41
26 05 33 13-1252	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....154.62 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	154.62 6.74 13.49	22.48
26 05 33 13-1253	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....184.45 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	184.45 7.66 15.33	25.54
26 05 33 13-1254	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....240.75 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	240.75 8.43 16.86	28.10
26 05 33 13-1255	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....334.35 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	334.35 10.57 21.15	35.25
26 05 33 13-1256	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....420.46 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	420.46 10.57 21.15	35.25
26 05 33 13-1257	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....564.42 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	564.42 16.25 32.49	54.15
26 05 33 13-1258	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....706.49 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	706.49 21.15 42.30	70.49
26 05 33 13-1259	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....1,284.34 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,284.34 34.48 68.97	114.94
26 05 33 13-1260	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....1,655.43 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,655.43 51.80 103.61	172.67
26 05 33 13-1261			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0768)</small>		
26 05 33 13-1262	EA		3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....40.11 <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	40.11 1.23 2.45	4.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1263 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	44.08	5.11
<i>For Installation Above 14', Add</i>	1.53	
<i>For Work In Restricted Working Space, Add</i>	3.07	
26 05 33 13-1264 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	50.05	5.11
<i>For Installation Above 14', Add</i>	1.53	
<i>For Work In Restricted Working Space, Add</i>	3.07	
26 05 33 13-1265 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	61.77	5.62
<i>For Installation Above 14', Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.37	
26 05 33 13-1266 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	65.21	5.62
<i>For Installation Above 14', Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.37	
26 05 33 13-1267 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	56.22	6.64
<i>For Installation Above 14', Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	3.98	
26 05 33 13-1268 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	63.90	6.64
<i>For Installation Above 14', Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	3.98	
26 05 33 13-1269 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	98.46	6.64
<i>For Installation Above 14', Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	3.98	
26 05 33 13-1270 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	109.49	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
26 05 33 13-1271 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	106.51	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
26 05 33 13-1272 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	112.05	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
26 05 33 13-1273 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	125.99	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
26 05 33 13-1274 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	125.30	9.19
<i>For Installation Above 14', Add</i>	2.76	
<i>For Work In Restricted Working Space, Add</i>	5.52	
26 05 33 13-1275 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	159.89	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
26 05 33 13-1276 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	234.98	14.82
<i>For Installation Above 14', Add</i>	4.44	
<i>For Work In Restricted Working Space, Add</i>	8.89	
26 05 33 13-1277 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	314.46	20.43
<i>For Installation Above 14', Add</i>	6.13	
<i>For Work In Restricted Working Space, Add</i>	12.26	
26 05 33 13-1278 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	393.52	28.10
<i>For Installation Above 14', Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	16.86	
26 05 33 13-1279 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0768)</small>		
26 05 33 13-1280 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	25.65	6.14
<i>For Installation Above 14', Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	3.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 05 33 13-1281 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.98	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33 13-1282 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.81	9.70
<i>For Installation Above 14', Add</i>	2.91	
<i>For Work In Restricted Working Space, Add</i>	5.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-1283 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.19	11.24
<i>For Installation Above 14', Add</i>	3.37	
<i>For Work In Restricted Working Space, Add</i>	6.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1284 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.83	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-1285 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.39	6.64
<i>For Installation Above 14', Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-1286 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.81	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1287	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.66	9.70
			<i>For Installation Above 14', Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33	13-1288	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.15	11.24
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33	13-1289	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.94	12.77
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	7.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33	13-1290	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.92	14.31
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33	13-1291	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.52	6.64
			<i>For Installation Above 14', Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33	13-1292	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.93	7.66
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33	13-1293	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.89	9.70
			<i>For Installation Above 14', Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33	13-1294	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.40	11.24
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33	13-1295	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.19	12.77
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	7.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33	13-1296	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.58	14.31
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33	13-1297	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.26	6.64
			<i>For Installation Above 14', Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33	13-1298	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.67	7.66
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33	13-1299	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.76	9.70
			<i>For Installation Above 14', Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33	13-1300	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.46	11.24
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33	13-1301	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.36	12.77
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	7.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33	13-1302	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.63	14.31
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33	13-1303	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.86	17.37
			<i>For Installation Above 14', Add</i>	5.21	
			<i>For Work In Restricted Working Space, Add</i>	10.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42	
26 05 33	13-1304	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	94.67	24.01
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33	13-1305	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.38	6.64
			<i>For Installation Above 14', Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33	13-1306	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.91	7.66
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33	13-1307	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.02	9.70
			<i>For Installation Above 14', Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1308 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.52	11.24
<i>For Installation Above 14', Add</i>	3.37	
<i>For Work In Restricted Working Space, Add</i>	6.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1309 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.54	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-1310 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.68	14.31
<i>For Installation Above 14', Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	8.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33 13-1311 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	74.68	17.37
<i>For Installation Above 14', Add</i>	5.21	
<i>For Work In Restricted Working Space, Add</i>	10.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42	
26 05 33 13-1312 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	98.57	24.01
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33 13-1313 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	117.18	27.08
<i>For Installation Above 14', Add</i>	8.12	
<i>For Work In Restricted Working Space, Add</i>	16.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-1314 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	137.94	35.25
<i>For Installation Above 14', Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	21.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-1315 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.62	6.64
<i>For Installation Above 14', Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-1316 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.17	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33 13-1317 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.29	9.70
<i>For Installation Above 14', Add</i>	2.91	
<i>For Work In Restricted Working Space, Add</i>	5.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-1318 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.02	11.24
<i>For Installation Above 14', Add</i>	3.37	
<i>For Work In Restricted Working Space, Add</i>	6.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1319 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.05	12.77
<i>For Installation Above 14', Add</i>	3.83	
<i>For Work In Restricted Working Space, Add</i>	7.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-1320 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.80	14.31
<i>For Installation Above 14', Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	8.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33 13-1321 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	81.88	17.37
<i>For Installation Above 14', Add</i>	5.21	
<i>For Work In Restricted Working Space, Add</i>	10.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42	
26 05 33 13-1322 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	104.40	24.01
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33 13-1323 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	118.43	27.08
<i>For Installation Above 14', Add</i>	8.12	
<i>For Work In Restricted Working Space, Add</i>	16.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-1324 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	141.27	35.25
<i>For Installation Above 14', Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	21.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-1325 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	207.15	48.53
<i>For Installation Above 14', Add</i>	14.56	
<i>For Work In Restricted Working Space, Add</i>	29.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.12	
26 05 33 13-1326 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.08	6.64
<i>For Installation Above 14', Add</i>	1.99	
<i>For Work In Restricted Working Space, Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-1327 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.62	7.66
<i>For Installation Above 14', Add</i>	2.30	
<i>For Work In Restricted Working Space, Add</i>	4.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33 13-1328 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.78	9.70
<i>For Installation Above 14', Add</i>	2.91	
<i>For Work In Restricted Working Space, Add</i>	5.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1329	EA	1-1/4"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.93	11.24
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1330	EA	1-1/2"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.15	12.77
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	7.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-1331	EA	2"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.91	14.31
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33 13-1332	EA	2-1/2"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	89.20	17.37
			<i>For Installation Above 14', Add</i>	5.21	
			<i>For Work In Restricted Working Space, Add</i>	10.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42	
26 05 33 13-1333	EA	3"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	112.16	24.01
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33 13-1334	EA	3-1/2"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	125.41	27.08
			<i>For Installation Above 14', Add</i>	8.12	
			<i>For Work In Restricted Working Space, Add</i>	16.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-1335	EA	4"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.05	35.25
			<i>For Installation Above 14', Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	21.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-1336	EA	5"	6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	224.77	48.53
			<i>For Installation Above 14', Add</i>	14.56	
			<i>For Work In Restricted Working Space, Add</i>	29.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.12	
26 05 33 13-1337	EA	1/2"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.79	6.64
			<i>For Installation Above 14', Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-1338	EA	3/4"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.32	7.66
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33 13-1339	EA	1"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.88	9.70
			<i>For Installation Above 14', Add</i>	2.91	
			<i>For Work In Restricted Working Space, Add</i>	5.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.82	
26 05 33 13-1340	EA	1-1/4"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.17	11.24
			<i>For Installation Above 14', Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.74	
26 05 33 13-1341	EA	1-1/2"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.38	12.77
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	7.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.66	
26 05 33 13-1342	EA	2"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.36	14.31
			<i>For Installation Above 14', Add</i>	4.29	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58	
26 05 33 13-1343	EA	2-1/2"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	98.20	17.37
			<i>For Installation Above 14', Add</i>	5.21	
			<i>For Work In Restricted Working Space, Add</i>	10.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42	
26 05 33 13-1344	EA	3"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	122.77	24.01
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33 13-1345	EA	3-1/2"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	142.90	27.08
			<i>For Installation Above 14', Add</i>	8.12	
			<i>For Work In Restricted Working Space, Add</i>	16.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24	
26 05 33 13-1346	EA	4"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	170.74	35.25
			<i>For Installation Above 14', Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	21.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33 13-1347	EA	5"	8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	236.85	48.53
			<i>For Installation Above 14', Add</i>	14.56	
			<i>For Work In Restricted Working Space, Add</i>	29.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.12	
26 05 33 13-1348	EA	1/2"	10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.54	6.64
			<i>For Installation Above 14', Add</i>	1.99	
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-1349	EA	3/4"	10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.05	7.66
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1350 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.96 2.91 5.82 5.82	9.70
26 05 33 13-1351 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.46 3.37 6.74 6.74	11.24
26 05 33 13-1352 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.68 3.83 7.66 7.66	12.77
26 05 33 13-1353 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.38 4.29 8.58 8.58	14.31
26 05 33 13-1354 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.72 5.21 10.42 10.42	17.37
26 05 33 13-1355 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.36 7.20 14.41 14.41	24.01
26 05 33 13-1356 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.27 8.12 16.24 16.24	27.08
26 05 33 13-1357 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.70 10.57 21.15 21.15	35.25
26 05 33 13-1358 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.94 14.56 29.12 29.12	48.53
26 05 33 13-1359 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.31 1.99 3.98 3.98	6.64
26 05 33 13-1360 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.91 2.30 4.60 4.60	7.66
26 05 33 13-1361 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.70 2.91 5.82 5.82	9.70
26 05 33 13-1362 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.88 3.37 6.74 6.74	11.24
26 05 33 13-1363 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.10 3.83 7.66 7.66	12.77
26 05 33 13-1364 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.81 4.29 8.58 8.58	14.31
26 05 33 13-1365 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.41 5.21 10.42 10.42	17.37
26 05 33 13-1366 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.74 7.20 14.41 14.41	24.01
26 05 33 13-1367 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.54 8.12 16.24 16.24	27.08
26 05 33 13-1368 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.19 10.57 21.15 21.15	35.25
26 05 33 13-1369 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.38 14.56 29.12 29.12	48.53

26 05 33 13-1370 Aluminum Conduit (26 05 33 13-0041)
 Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1371 Aluminum Conduit With Threaded Coupling (26 05 33 13-1370)

Note: Includes field bend conduit up to 1".

26 05 33 13-1372	LF		1/2" Aluminum Conduit With Threaded Coupling.....	4.96	1.57
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
26 05 33 13-1373	LF		3/4" Aluminum Conduit With Threaded Coupling.....	5.70	1.72
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.65	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
26 05 33 13-1374	LF		1" Aluminum Conduit With Threaded Coupling.....	6.67	1.88
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	1.41	
26 05 33 13-1375	LF		1-1/4" Aluminum Conduit With Threaded Coupling.....	7.68	2.05
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	1.53	
26 05 33 13-1376	LF		1-1/2" Aluminum Conduit With Threaded Coupling.....	8.69	2.21
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	1.65	
26 05 33 13-1377	LF		2" Aluminum Conduit With Threaded Coupling.....	10.56	2.52
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	1.89	
26 05 33 13-1378	LF		2-1/2" Aluminum Conduit With Threaded Coupling.....	14.60	3.15
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
26 05 33 13-1379	LF		3" Aluminum Conduit With Threaded Coupling.....	18.29	3.77
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	2.83	
26 05 33 13-1380	LF		3-1/2" Aluminum Conduit With Threaded Coupling.....	22.42	4.71
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.77	
			<i>For Work In Restricted Working Space, Add</i>	3.54	
26 05 33 13-1381	LF		4" Aluminum Conduit With Threaded Coupling.....	27.53	5.97
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	4.48	
26 05 33 13-1382	LF		5" Aluminum Conduit With Threaded Coupling.....	36.89	7.55
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.83	
			<i>For Work In Restricted Working Space, Add</i>	5.66	
26 05 33 13-1383	LF		6" Aluminum Conduit With Threaded Coupling.....	47.30	9.43
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.54	
			<i>For Work In Restricted Working Space, Add</i>	7.07	

26 05 33 13-1384 Aluminum 90 Degree Elbows (26 05 33 13-1370)

26 05 33 13-1385	EA		1" Aluminum 90 Degree Elbow.....	31.41	8.17
			<i>For Work In Restricted Working Space, Add</i>	6.13	
26 05 33 13-1386	EA		1-1/4" Aluminum 90 Degree Elbow.....	40.63	9.27
			<i>For Work In Restricted Working Space, Add</i>	6.96	
26 05 33 13-1387	EA		1-1/2" Aluminum 90 Degree Elbow.....	49.94	10.69
			<i>For Work In Restricted Working Space, Add</i>	8.02	
26 05 33 13-1388	EA		2" Aluminum 90 Degree Elbow.....	64.83	12.26
			<i>For Work In Restricted Working Space, Add</i>	9.20	
26 05 33 13-1389	EA		2-1/2" Aluminum 90 Degree Elbow.....	94.91	14.94
			<i>For Work In Restricted Working Space, Add</i>	11.20	
26 05 33 13-1390	EA		3" Aluminum 90 Degree Elbow.....	137.28	19.34
			<i>For Work In Restricted Working Space, Add</i>	14.50	
26 05 33 13-1391	EA		3-1/2" Aluminum 90 Degree Elbow.....	192.95	21.69
			<i>For Work In Restricted Working Space, Add</i>	16.27	
26 05 33 13-1392	EA		4" Aluminum 90 Degree Elbow.....	232.47	27.20
			<i>For Work In Restricted Working Space, Add</i>	20.40	
26 05 33 13-1393	EA		5" Aluminum 90 Degree Elbow.....	597.14	44.33
			<i>For Work In Restricted Working Space, Add</i>	33.24	
26 05 33 13-1394	EA		6" Aluminum 90 Degree Elbow.....	839.50	66.65
			<i>For Work In Restricted Working Space, Add</i>	49.99	

26 05 33 13-1395 Aluminum Bushing Set With Locknut (26 05 33 13-1370)

26 05 33 13-1396	EA		1/2" Aluminum Bushing Set With Locknut.....	8.69	3.15
			<i>For Work In Restricted Working Space, Add</i>	2.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1397	EA		3/4" Aluminum Bushing Set With Locknut.....	13.58	4.09
			<i>For Work In Restricted Working Space, Add</i>	3.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-1398	EA		1" Aluminum Bushing Set With Locknut.....	13.11	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 33 13-1399	EA		1-1/4" Aluminum Bushing Set With Locknut.....	14.75	5.65
			<i>For Work In Restricted Working Space, Add</i>	4.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.25	
26 05 33 13-1400	EA		1-1/2" Aluminum Bushing Set With Locknut.....	18.06	6.92
			<i>For Work In Restricted Working Space, Add</i>	5.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-1401	EA		2" Aluminum Bushing Set With Locknut.....	22.11	8.33
			<i>For Work In Restricted Working Space, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1402 EA 2-1/2" Aluminum Bushing Set With Locknut.....	27.36	9.90
For Work In Restricted Working Space, Add	7.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-1403 EA 3" Aluminum Bushing Set With Locknut.....	32.14	11.32
For Work In Restricted Working Space, Add	8.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 33 13-1404 EA 3-1/2" Aluminum Bushing Set With Locknut.....	34.76	12.26
For Work In Restricted Working Space, Add	9.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 33 13-1405 EA 4" Aluminum Bushing Set With Locknut.....	37.93	13.20
For Work In Restricted Working Space, Add	9.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 05 33 13-1406 EA 5" Aluminum Bushing Set With Locknut.....	50.17	17.60
For Work In Restricted Working Space, Add	13.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.20	
26 05 33 13-1407 EA 6" Aluminum Bushing Set With Locknut.....	74.48	26.41
For Work In Restricted Working Space, Add	19.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.81	
26 05 33 13-1408 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1409 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1408)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1410 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	3.27	1.24
For Schedule 60, Add	0.20	
For Schedule 80, Add	0.37	
26 05 33 13-1411 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	3.63	1.36
For Schedule 60, Add	0.23	
For Schedule 80, Add	0.42	
26 05 33 13-1412 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	4.30	1.59
For Schedule 60, Add	0.28	
For Schedule 80, Add	0.51	
26 05 33 13-1413 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	4.97	1.81
For Schedule 60, Add	0.33	
For Schedule 80, Add	0.60	
26 05 33 13-1414 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	5.82	2.12
For Schedule 60, Add	0.40	
For Schedule 80, Add	0.71	
26 05 33 13-1415 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	6.73	2.42
For Schedule 60, Add	0.47	
For Schedule 80, Add	0.84	
26 05 33 13-1416 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	8.28	2.87
For Schedule 60, Add	0.63	
For Schedule 80, Add	1.10	
26 05 33 13-1417 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	9.62	3.33
For Schedule 60, Add	0.74	
For Schedule 80, Add	1.29	
26 05 33 13-1418 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	11.50	3.94
For Schedule 60, Add	0.91	
For Schedule 80, Add	1.57	
26 05 33 13-1419 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	13.93	4.85
For Schedule 60, Add	1.06	
For Schedule 80, Add	1.85	
26 05 33 13-1420 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	19.67	6.81
For Schedule 60, Add	1.51	
For Schedule 80, Add	2.63	
26 05 33 13-1421 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	26.20	9.08
For Schedule 60, Add	2.01	
For Schedule 80, Add	3.49	
26 05 33 13-1422 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1408)</small>		
See CSI section 26 05 33 13-2382 for conduit field bending.		
26 05 33 13-1423 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	15.75	6.05
See CSI section 26 05 33 13-2382 for conduit field bending.		
For Schedule 60, Add	0.91	
For Schedule 80, Add	1.73	
26 05 33 13-1424 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	17.35	6.66
See CSI section 26 05 33 13-2382 for conduit field bending.		
For Schedule 60, Add	1.01	
For Schedule 80, Add	1.91	
26 05 33 13-1425 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	20.05	7.57
See CSI section 26 05 33 13-2382 for conduit field bending.		
For Schedule 60, Add	1.23	
For Schedule 80, Add	2.29	
26 05 33 13-1426 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	25.86	9.69
See CSI section 26 05 33 13-2382 for conduit field bending.		
For Schedule 60, Add	1.62	
For Schedule 80, Add	3.00	
26 05 33 13-1427 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	32.49	12.11
See CSI section 26 05 33 13-2382 for conduit field bending.		
For Schedule 60, Add	2.07	
For Schedule 80, Add	3.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1428 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	40.80 2.63 4.82	15.13
26 05 33 13-1429 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	50.95 3.66 6.48	18.16
26 05 33 13-1430 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	62.31 4.98 8.56	21.19
26 05 33 13-1431 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	77.45 6.50 11.03	25.73
26 05 33 13-1432 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	92.59 8.01 13.49	30.27
26 05 33 13-1433 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	123.82 12.04 19.69	37.84
26 05 33 13-1434 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	150.82 15.00 24.41	45.40
26 05 33 13-1435 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-1408)</small> See CSI section 26 05 33 13-2382 for conduit field bending.		
26 05 33 13-1436 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	15.62 0.88 1.68	6.05
26 05 33 13-1437 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.31 1.00 1.90	6.66
26 05 33 13-1438 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.98 1.21 2.26	7.57
26 05 33 13-1439 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	25.66 1.57 2.93	9.69
26 05 33 13-1440 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	32.05 1.96 3.65	12.11
26 05 33 13-1441 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	40.56 2.57 4.74	15.13
26 05 33 13-1442 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	50.50 3.55 6.33	18.16
26 05 33 13-1443 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	61.75 4.84 8.37	21.19
26 05 33 13-1444 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	75.88 6.10 10.48	25.73
26 05 33 13-1445 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	91.23 7.67 13.01	30.27
26 05 33 13-1446 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	122.06 11.60 19.07	37.84
26 05 33 13-1447 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2382 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	145.60 13.70 22.58	45.40
26 05 33 13-1448 Polyvinyl Chloride (PVC) Conduit Adapters <small>(26 05 33 13-1408)</small>		
26 05 33 13-1449 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.88 3.18	4.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1450 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter.....	12.48	4.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.63	
26 05 33 13-1451 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter.....	14.13	5.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.09	
26 05 33 13-1452 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter	15.83	6.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.54	
26 05 33 13-1453 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	19.66	7.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.68	
26 05 33 13-1454 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter.....	23.71	9.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.81	
26 05 33 13-1455 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	32.30	12.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.08	
26 05 33 13-1456 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter.....	40.66	15.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-1457 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	52.80	19.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.76	
26 05 33 13-1458 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter.....	64.24	24.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33 13-1459 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter.....	82.97	30.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70	
26 05 33 13-1460 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter.....	103.35	37.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.38	
26 05 33 13-1461 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1408)</small>		
26 05 33 13-1462 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	11.57	3.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.72	
26 05 33 13-1463 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	13.22	4.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.18	
26 05 33 13-1464 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.89	4.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.63	
26 05 33 13-1465 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.44	5.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.09	
26 05 33 13-1466 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.37	6.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.54	
26 05 33 13-1467 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.86	6.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.22	
26 05 33 13-1468 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	25.63	7.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-1469 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	29.16	9.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.81	
26 05 33 13-1470 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	34.41	10.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94	
26 05 33 13-1471 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.20	12.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.08	
26 05 33 13-1472 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	45.89	13.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.22	
26 05 33 13-1473 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	51.18	15.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-1474 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1408)</small>		
26 05 33 13-1475 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter.....	11.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.49	
26 05 33 13-1476 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter.....	14.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-1477 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter.....	15.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1478 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter.....	17.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.18	
26 05 33 13-1479 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1408)</small>		
26 05 33 13-1480 EA 1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	33.12	12.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.08	
26 05 33 13-1481 EA 3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	38.08	13.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.22	
26 05 33 13-1482 EA 1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	42.26	15.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-1483 EA 1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	51.72	18.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.62	
26 05 33 13-1484 EA 1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	64.12	22.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.03	
26 05 33 13-1485 EA 2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	81.16	27.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.43	
26 05 33 13-1486 EA 2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	125.91	30.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70	
26 05 33 13-1487 EA 3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	135.17	33.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.98	
26 05 33 13-1488 EA 3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	148.17	37.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1489	EA	4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.68 32.92	43.89
26 05 33	13-1490		Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1408)</small>		
26 05 33	13-1491	EA	1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.09 2.91 5.26 11.79	15.72
26 05 33	13-1492	EA	3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.93 3.34 5.97 12.97	17.29
26 05 33	13-1493	EA	1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.92 3.55 6.38 14.15	18.87
26 05 33	13-1494	EA	1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.70 4.92 8.54 16.51	22.00
26 05 33	13-1495	EA	1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.01 5.89 10.25 20.04	26.73
26 05 33	13-1496	EA	2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.37 7.62 13.03 23.58	31.44
26 05 33	13-1497		Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1408)</small>		
26 05 33	13-1498	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	62.69	15.13
26 05 33	13-1499	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	70.83	18.16
26 05 33	13-1500	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	79.38	21.19
26 05 33	13-1501	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	87.52	24.22
26 05 33	13-1502	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	95.50	27.24
26 05 33	13-1503	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	104.53	30.27
26 05 33	13-1504	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	126.14	34.82
26 05 33	13-1505	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	149.22	39.35
26 05 33	13-1506	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	174.14	45.40
26 05 33	13-1507	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	206.27	52.98
26 05 33	13-1508	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	266.48	63.57
26 05 33	13-1509	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	349.03	81.73
26 05 33	13-1510		Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1408)</small>		
26 05 33	13-1511	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.85 2.27	3.02
26 05 33	13-1512	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.48 2.72	3.64
26 05 33	13-1513	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.10 3.18	4.24
26 05 33	13-1514	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.27 3.63	4.85
26 05 33	13-1515	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.46 4.09	5.45
26 05 33	13-1516	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.05 4.54	6.05
26 05 33	13-1517	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.96 5.22	6.96
26 05 33	13-1518	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.60 5.90	7.87
26 05 33	13-1519	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.59 6.59	8.77
26 05 33	13-1520	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.06 7.04	9.39
26 05 33	13-1521	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.08 7.94	10.60
26 05 33	13-1522	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.82 9.08	12.11
26 05 33	13-1523		Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1408)</small>		
26 05 33	13-1524	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.45 20.43	27.24
26 05 33	13-1525	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.34 13.62	18.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1526 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	192.02	30.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70	
26 05 33 13-1527 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	363.03	43.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92	
26 05 33 13-1528 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-1529 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1528)</small>		
26 05 33 13-1530 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	4.91	1.24
26 05 33 13-1531 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	5.44	1.36
26 05 33 13-1532 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.13	1.57
26 05 33 13-1533 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.80	1.81
26 05 33 13-1534 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	7.75	2.12
26 05 33 13-1535 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	8.56	2.42
26 05 33 13-1536 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.20	2.87
26 05 33 13-1537 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.93	3.33
26 05 33 13-1538 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	13.90	3.94
26 05 33 13-1539 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	16.62	4.85
26 05 33 13-1540 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	22.67	6.81
26 05 33 13-1541 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	29.76	9.08
26 05 33 13-1542 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1528)</small>		
26 05 33 13-1543 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	48.45	6.05
<i>For 24" Radius, Add</i>	3.26	
<i>For 36" Radius, Add</i>	4.85	
<i>For 48" Radius, Add</i>	6.43	
26 05 33 13-1544 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	53.95	6.66
<i>For 24" Radius, Add</i>	3.63	
<i>For 36" Radius, Add</i>	5.40	
<i>For 48" Radius, Add</i>	7.16	
26 05 33 13-1545 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	56.60	7.57
<i>For 24" Radius, Add</i>	3.77	
<i>For 36" Radius, Add</i>	5.66	
<i>For 48" Radius, Add</i>	7.55	
26 05 33 13-1546 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	62.27	9.69
<i>For 24" Radius, Add</i>	4.06	
<i>For 36" Radius, Add</i>	6.23	
<i>For 48" Radius, Add</i>	8.39	
26 05 33 13-1547 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	68.70	12.11
<i>For 24" Radius, Add</i>	4.40	
<i>For 36" Radius, Add</i>	6.87	
<i>For 48" Radius, Add</i>	9.34	
26 05 33 13-1548 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	81.57	15.13
<i>For 24" Radius, Add</i>	5.17	
<i>For 36" Radius, Add</i>	8.16	
<i>For 48" Radius, Add</i>	11.14	
26 05 33 13-1549 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	97.74	18.16
<i>For 24" Radius, Add</i>	6.20	
<i>For 36" Radius, Add</i>	9.77	
<i>For 48" Radius, Add</i>	13.35	
26 05 33 13-1550 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	115.79	21.19
<i>For 24" Radius, Add</i>	7.36	
<i>For 36" Radius, Add</i>	11.58	
<i>For 48" Radius, Add</i>	15.80	
26 05 33 13-1551 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	134.99	25.73
<i>For 24" Radius, Add</i>	8.52	
<i>For 36" Radius, Add</i>	13.50	
<i>For 48" Radius, Add</i>	18.48	
26 05 33 13-1552 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	154.19	30.27
<i>For 24" Radius, Add</i>	9.67	
<i>For 36" Radius, Add</i>	15.42	
<i>For 48" Radius, Add</i>	21.17	
26 05 33 13-1553 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	192.74	37.84
<i>For 24" Radius, Add</i>	12.09	
<i>For 36" Radius, Add</i>	19.27	
<i>For 48" Radius, Add</i>	26.46	
26 05 33 13-1554 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	236.19	45.40
<i>For 24" Radius, Add</i>	14.88	
<i>For 36" Radius, Add</i>	23.62	
<i>For 48" Radius, Add</i>	32.36	
26 05 33 13-1555 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1528)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1556 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....42.45		6.05
For 24" Radius, Add	2.81	
For 36" Radius, Add	4.25	
For 48" Radius, Add	5.68	
26 05 33 13-1557 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....47.24		6.66
For 24" Radius, Add	3.13	
For 36" Radius, Add	4.72	
For 48" Radius, Add	6.32	
26 05 33 13-1558 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....49.82		7.57
For 24" Radius, Add	3.26	
For 36" Radius, Add	4.98	
For 48" Radius, Add	6.70	
26 05 33 13-1559 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....55.42		9.69
For 24" Radius, Add	3.55	
For 36" Radius, Add	5.54	
For 48" Radius, Add	7.53	
26 05 33 13-1560 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....61.78		12.11
For 24" Radius, Add	3.88	
For 36" Radius, Add	6.18	
For 48" Radius, Add	8.48	
26 05 33 13-1561 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....73.70		15.13
For 24" Radius, Add	4.58	
For 36" Radius, Add	7.37	
For 48" Radius, Add	10.16	
26 05 33 13-1562 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....88.32		18.16
For 24" Radius, Add	5.49	
For 36" Radius, Add	8.83	
For 48" Radius, Add	12.18	
26 05 33 13-1563 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....104.48		21.19
For 24" Radius, Add	6.51	
For 36" Radius, Add	10.45	
For 48" Radius, Add	14.38	
26 05 33 13-1564 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....122.27		25.73
For 24" Radius, Add	7.56	
For 36" Radius, Add	12.23	
For 48" Radius, Add	16.89	
26 05 33 13-1565 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....140.06		30.27
For 24" Radius, Add	8.61	
For 36" Radius, Add	14.01	
For 48" Radius, Add	19.40	
26 05 33 13-1566 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....175.07		37.84
For 24" Radius, Add	10.77	
For 36" Radius, Add	17.51	
For 48" Radius, Add	24.25	
26 05 33 13-1567 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....214.11		45.40
For 24" Radius, Add	13.22	
For 36" Radius, Add	21.41	
For 48" Radius, Add	29.60	

26 05 33 13-1568 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1528)

26 05 33 13-1569 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....39.28		5.45
For 24" Radius, Add	2.61	
For 36" Radius, Add	3.93	
For 48" Radius, Add	5.25	
26 05 33 13-1570 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....43.70		5.99
For 24" Radius, Add	2.90	
For 36" Radius, Add	4.37	
For 48" Radius, Add	5.84	
26 05 33 13-1571 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....46.05		6.81
For 24" Radius, Add	3.03	
For 36" Radius, Add	4.61	
For 48" Radius, Add	6.18	
26 05 33 13-1572 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....51.10		8.71
For 24" Radius, Add	3.29	
For 36" Radius, Add	5.11	
For 48" Radius, Add	6.93	
26 05 33 13-1573 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....56.83		10.90
For 24" Radius, Add	3.58	
For 36" Radius, Add	5.68	
For 48" Radius, Add	7.78	
26 05 33 13-1574 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....67.73		13.62
For 24" Radius, Add	4.23	
For 36" Radius, Add	6.77	
For 48" Radius, Add	9.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1575 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius		
Elbows	81.17	16.35
<i>For 24" Radius, Add</i>	5.07	
<i>For 36" Radius, Add</i>	8.12	
<i>For 48" Radius, Add</i>	11.17	
26 05 33 13-1576 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	96.04	19.07
<i>For 24" Radius, Add</i>	6.01	
<i>For 36" Radius, Add</i>	9.60	
<i>For 48" Radius, Add</i>	13.20	
26 05 33 13-1577 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius		
Elbows	112.30	23.16
<i>For 24" Radius, Add</i>	6.98	
<i>For 36" Radius, Add</i>	11.23	
<i>For 48" Radius, Add</i>	15.48	
26 05 33 13-1578 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	128.56	27.24
<i>For 24" Radius, Add</i>	7.94	
<i>For 36" Radius, Add</i>	12.86	
<i>For 48" Radius, Add</i>	17.77	
26 05 33 13-1579 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	160.71	34.06
<i>For 24" Radius, Add</i>	9.92	
<i>For 36" Radius, Add</i>	16.07	
<i>For 48" Radius, Add</i>	22.22	
26 05 33 13-1580 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	196.63	40.87
<i>For 24" Radius, Add</i>	12.19	
<i>For 36" Radius, Add</i>	19.66	
<i>For 48" Radius, Add</i>	27.13	
26 05 33 13-1581 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1528)</small>		
26 05 33 13-1582 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	37.61	5.45
<i>For 24" Radius, Add</i>	2.48	
<i>For 36" Radius, Add</i>	3.76	
<i>For 48" Radius, Add</i>	5.04	
26 05 33 13-1583 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	41.84	5.99
<i>For 24" Radius, Add</i>	2.76	
<i>For 36" Radius, Add</i>	4.18	
<i>For 48" Radius, Add</i>	5.60	
26 05 33 13-1584 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	44.16	6.81
<i>For 24" Radius, Add</i>	2.89	
<i>For 36" Radius, Add</i>	4.42	
<i>For 48" Radius, Add</i>	5.95	
26 05 33 13-1585 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	49.20	8.71
<i>For 24" Radius, Add</i>	3.15	
<i>For 36" Radius, Add</i>	4.92	
<i>For 48" Radius, Add</i>	6.70	
26 05 33 13-1586 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	54.91	10.90
<i>For 24" Radius, Add</i>	3.44	
<i>For 36" Radius, Add</i>	5.49	
<i>For 48" Radius, Add</i>	7.54	
26 05 33 13-1587 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	65.54	13.62
<i>For 24" Radius, Add</i>	4.06	
<i>For 36" Radius, Add</i>	6.55	
<i>For 48" Radius, Add</i>	9.04	
26 05 33 13-1588 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	78.55	16.35
<i>For 24" Radius, Add</i>	4.87	
<i>For 36" Radius, Add</i>	7.86	
<i>For 48" Radius, Add</i>	10.84	
26 05 33 13-1589 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	92.90	19.07
<i>For 24" Radius, Add</i>	5.78	
<i>For 36" Radius, Add</i>	9.29	
<i>For 48" Radius, Add</i>	12.80	
26 05 33 13-1590 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	108.76	23.16
<i>For 24" Radius, Add</i>	6.71	
<i>For 36" Radius, Add</i>	10.88	
<i>For 48" Radius, Add</i>	15.04	
26 05 33 13-1591 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	124.64	27.24
<i>For 24" Radius, Add</i>	7.65	
<i>For 36" Radius, Add</i>	12.46	
<i>For 48" Radius, Add</i>	17.28	
26 05 33 13-1592 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
Elbows	155.80	34.06
<i>For 24" Radius, Add</i>	9.56	
<i>For 36" Radius, Add</i>	15.58	
<i>For 48" Radius, Add</i>	21.60	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1593	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	190.49	40.87
			For 24" Radius, Add	11.73	
			For 36" Radius, Add	19.05	
			For 48" Radius, Add	26.37	
26 05 33 13-1594			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1528)</small>		
26 05 33 13-1595	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	24.39	4.24
26 05 33 13-1596	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	27.48	4.85
26 05 33 13-1597	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	29.15	5.45
26 05 33 13-1598	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	30.79	6.05
26 05 33 13-1599	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	34.90	7.57
26 05 33 13-1600	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	41.73	9.08
26 05 33 13-1601	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	53.17	12.11
26 05 33 13-1602	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	65.32	15.13
26 05 33 13-1603	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	80.10	19.67
26 05 33 13-1604	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	94.89	24.22
26 05 33 13-1605	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	118.61	30.27
26 05 33 13-1606	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	148.25	37.84
26 05 33 13-1607			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1528)</small>		
26 05 33 13-1608	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	18.38	4.24
26 05 33 13-1609	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	20.76	4.85
26 05 33 13-1610	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	22.36	5.45
26 05 33 13-1611	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	23.96	6.05
26 05 33 13-1612	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	27.84	7.57
26 05 33 13-1613	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	31.69	9.08
26 05 33 13-1614	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	41.04	12.11
26 05 33 13-1615	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	50.77	15.13
26 05 33 13-1616	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	63.73	19.67
26 05 33 13-1617	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	76.70	24.22
26 05 33 13-1618	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	95.90	30.27
26 05 33 13-1619	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	119.85	37.84
26 05 33 13-1620			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1528)</small>		
26 05 33 13-1621	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	20.28	3.49
26 05 33 13-1622	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	22.87	4.85
26 05 33 13-1623	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	24.49	5.45
26 05 33 13-1624	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.07	6.05
26 05 33 13-1625	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	30.11	7.57
26 05 33 13-1626	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	36.03	9.08
26 05 33 13-1627	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	46.25	12.11
26 05 33 13-1628	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	57.01	15.13
26 05 33 13-1629	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	70.75	19.67
26 05 33 13-1630	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	84.50	24.22
26 05 33 13-1631	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	105.62	30.27
26 05 33 13-1632	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	132.04	37.84
26 05 33 13-1633			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1528)</small>		
26 05 33 13-1634	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	48.50	15.13
26 05 33 13-1635	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	57.23	18.16
26 05 33 13-1636	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	64.94	21.19
26 05 33 13-1637	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	72.58	24.22
26 05 33 13-1638	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	80.42	27.24
26 05 33 13-1639	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	90.33	30.27
26 05 33 13-1640	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	104.62	34.82
26 05 33 13-1641	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	119.49	39.35
26 05 33 13-1642	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	137.26	45.40
26 05 33 13-1643	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	158.82	52.98
26 05 33 13-1644	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	184.33	60.54
26 05 33 13-1645	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	211.50	68.11
26 05 33 13-1646			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1528)</small>		
26 05 33 13-1647	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	52.83	15.13
26 05 33 13-1648	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	62.08	18.16
26 05 33 13-1649	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	69.82	21.19
26 05 33 13-1650	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	77.51	24.22
26 05 33 13-1651	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	85.40	27.24
26 05 33 13-1652	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	96.01	30.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1653 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	111.43	34.82
26 05 33 13-1654 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	127.66	39.35
26 05 33 13-1655 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	146.47	45.40
26 05 33 13-1656 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	169.05	52.98
26 05 33 13-1657 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	197.16	60.54
26 05 33 13-1658 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	227.53	68.11
26 05 33 13-1659 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters		
<small>(26 05 33 13-1528)</small>		
26 05 33 13-1660 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	46.25	4.24
26 05 33 13-1661 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	51.72	4.85
26 05 33 13-1662 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	54.44	5.45
26 05 33 13-1663 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	57.22	6.05
26 05 33 13-1664 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	61.67	7.57
26 05 33 13-1665 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	69.53	9.08
26 05 33 13-1666 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	86.46	12.11
26 05 33 13-1667 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	105.23	15.13
26 05 33 13-1668 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	125.00	19.67
26 05 33 13-1669 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	144.78	24.22
26 05 33 13-1670 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	181.01	30.27
26 05 33 13-1671 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	225.45	37.84
26 05 33 13-1672 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints		
<small>(26 05 33 13-1528)</small>		
26 05 33 13-1673 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	60.36	15.13
26 05 33 13-1674 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	70.43	18.16
26 05 33 13-1675 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	83.90	21.19
26 05 33 13-1676 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	102.23	24.22
26 05 33 13-1677 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	125.26	27.24
26 05 33 13-1678 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	160.38	30.27
26 05 33 13-1679 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	220.31	34.82
26 05 33 13-1680 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	263.65	39.35
26 05 33 13-1681 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	316.78	45.40
26 05 33 13-1682 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	373.68	52.98
26 05 33 13-1683 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	437.92	60.54
26 05 33 13-1684 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	656.77	68.11
26 05 33 13-1685 Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover		
<small>(26 05 33 13-1528)</small>		
26 05 33 13-1686 EA 1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	50.21	12.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.08	
26 05 33 13-1687 EA 3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	57.84	13.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.22	
26 05 33 13-1688 EA 1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	74.09	15.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-1689 EA 1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	90.18	18.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.62	
26 05 33 13-1690 EA 1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	114.34	22.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.03	
26 05 33 13-1691 EA 2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	153.41	27.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.43	
26 05 33 13-1692 EA 2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	239.40	31.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.84	
26 05 33 13-1693 EA 3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	304.07	36.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.25	
26 05 33 13-1694 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	364.52	42.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.79	
26 05 33 13-1695 EA 4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	424.98	48.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.33	
26 05 33 13-1696 EA 5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	498.75	54.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.87	
26 05 33 13-1697 EA 6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	564.54	60.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.41	
26 05 33 13-1698 Explosion Proof Conduit Fittings		
<small>(26 05 33 13-0041)</small>		
<i>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.</i>		

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1699 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1698)</small>		
26 05 33 13-1700 EA 1/2" Explosion Proof Malleable Iron Conduit Union.....	28.75	6.54
26 05 33 13-1701 EA 3/4" Explosion Proof Malleable Iron Conduit Union.....	35.14	7.24
26 05 33 13-1702 EA 1" Explosion Proof Malleable Iron Conduit Union.....	55.06	9.65
26 05 33 13-1703 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union.....	72.12	10.68
26 05 33 13-1704 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union.....	90.62	13.09
26 05 33 13-1705 EA 2" Explosion Proof Malleable Iron Conduit Union.....	112.46	15.16
26 05 33 13-1706 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union.....	170.64	21.67
26 05 33 13-1707 EA 3" Explosion Proof Malleable Iron Conduit Union.....	216.24	25.80
26 05 33 13-1708 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union.....	358.52	30.95
26 05 33 13-1709 EA 4" Explosion Proof Malleable Iron Conduit Union.....	382.75	39.55
26 05 33 13-1710 Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-1698)</small>		
26 05 33 13-1711 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	100.88	20.67
26 05 33 13-1712 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	113.76	23.42
26 05 33 13-1713 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	132.65	25.84
26 05 33 13-1714 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	114.74	25.84
26 05 33 13-1715 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	136.77	31.00
26 05 33 13-1716 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	161.43	35.47
26 05 33 13-1717 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1698)</small>		
Note: Includes sealing gasket and lock nut.		
26 05 33 13-1718 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	83.49	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.92	
26 05 33 13-1719 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	85.92	19.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.47	
26 05 33 13-1720 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	93.77	21.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.76	
26 05 33 13-1721 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	120.10	25.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	19.37	
26 05 33 13-1722 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	152.38	30.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	22.73	
26 05 33 13-1723 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	194.24	34.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.83	
26 05 33 13-1724 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	277.46	51.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	38.69	
26 05 33 13-1725 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	350.49	64.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	48.49	
26 05 33 13-1726 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	487.93	71.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	53.39	
26 05 33 13-1727 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	624.50	77.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	58.03	
26 05 33 13-1728 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1698)</small>		
26 05 33 13-1729 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	210.34	7.92
26 05 33 13-1730 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	274.72	8.95
26 05 33 13-1731 Flexible Conduit <small>(26 05 33 13-0040)</small>		
26 05 33 13-1732 Flexible Liquid Tight Metallic Conduit And Connectors <small>(26 05 33 13-1731)</small>		
Note: Steel inner core with PVC cover.		
26 05 33 13-1733 Flexible Liquid Tight Metallic Conduit <small>(26 05 33 13-1732)</small>		
26 05 33 13-1734 LF 3/8" Flexible Liquid Tight Metallic Conduit.....	3.39	0.94
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.35	
<i>For Work In Restricted Working Space, Add</i>		
	0.71	
26 05 33 13-1735 LF 1/2" Flexible Liquid Tight Metallic Conduit.....	3.54	0.94
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.35	
<i>For Work In Restricted Working Space, Add</i>		
	0.71	
26 05 33 13-1736 LF 3/4" Flexible Liquid Tight Metallic Conduit.....	4.75	1.25
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.47	
<i>For Work In Restricted Working Space, Add</i>		
	0.95	
26 05 33 13-1737 LF 1" Flexible Liquid Tight Metallic Conduit.....	5.56	1.25
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.47	
<i>For Work In Restricted Working Space, Add</i>		
	0.95	
26 05 33 13-1738 LF 1-1/4" Flexible Liquid Tight Metallic Conduit.....	7.22	1.57
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.59	
<i>For Work In Restricted Working Space, Add</i>		
	1.18	
26 05 33 13-1739 LF 1-1/2" Flexible Liquid Tight Metallic Conduit.....	9.33	1.88
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.71	
<i>For Work In Restricted Working Space, Add</i>		
	1.41	
26 05 33 13-1740 LF 2" Flexible Liquid Tight Metallic Conduit.....	12.27	2.52
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	0.94	
<i>For Work In Restricted Working Space, Add</i>		
	1.89	
26 05 33 13-1741 LF 2-1/2" Flexible Liquid Tight Metallic Conduit.....	16.95	2.83
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>		
	1.06	
<i>For Work In Restricted Working Space, Add</i>		
	2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1742 LF 3" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	25.24 1.30 2.59	3.46
26 05 33 13-1743 LF 4" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	34.71 1.65 3.30	4.40
26 05 33 13-1744 Straight Connector <small>(26 05 33 13-1732)</small>		
26 05 33 13-1745 EA 3/8" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.22 1.89 1.89	2.52
26 05 33 13-1746 EA 1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.22 1.89 1.89	2.52
26 05 33 13-1747 EA 3/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.28 2.12 2.12	2.83
26 05 33 13-1748 EA 1" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.35 2.36 2.36	3.15
26 05 33 13-1749 EA 1-1/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.96 2.59 2.59	3.46
26 05 33 13-1750 EA 1-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.58 2.83 2.83	3.77
26 05 33 13-1751 EA 2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.61 3.30 3.30	4.40
26 05 33 13-1752 EA 2-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.83 4.25 4.25	5.65
26 05 33 13-1753 EA 3" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.85 4.48 4.48	5.97
26 05 33 13-1754 EA 4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.64 6.60 6.60	8.80
26 05 33 13-1755 90 Degree Angle Connector <small>(26 05 33 13-1732)</small>		
26 05 33 13-1756 EA 3/8" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.53 2.59 2.59	3.46
26 05 33 13-1757 EA 1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16 2.59 2.59	3.46
26 05 33 13-1758 EA 3/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.07 2.83 2.83	3.77
26 05 33 13-1759 EA 1" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.08 3.30 3.30	4.40
26 05 33 13-1760 EA 1-1/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.45 3.54 3.54	4.71
26 05 33 13-1761 EA 1-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.02 3.77 3.77	5.03
26 05 33 13-1762 EA 2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.11 4.25 4.25	5.65
26 05 33 13-1763 EA 2-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.67 4.48 4.48	5.97
26 05 33 13-1764 EA 3" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.81 5.19 5.19	6.92
26 05 33 13-1765 EA 4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.22 8.25 8.25	11.01
26 05 33 13-1766 45 Degree Angle Connector <small>(26 05 33 13-1732)</small>		
26 05 33 13-1767 EA 3/8" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.32 2.59 2.59	3.46
26 05 33 13-1768 EA 1/2" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47 2.59 2.59	3.46
26 05 33 13-1769 EA 3/4" 45 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.07 2.83 2.83	3.77

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1770	EA		1" 45 Degree Angle Liquid Tight Connector.....	24.80	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-1771	EA		1-1/4" 45 Degree Angle Liquid Tight Connector.....	28.33	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-1772	EA		1-1/2" 45 Degree Angle Liquid Tight Connector.....	31.86	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 33 13-1773			Flexible Metallic Conduit And Connectors (26 05 33 13-1731)		
26 05 33 13-1774			Flexible Steel Conduit (26 05 33 13-1773)		
26 05 33 13-1775	LF		3/8" Flexible Metallic Conduit.....	3.06	1.03
			<i>For Flexible Aluminum Conduit, Add</i>	0.09	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.38	
			<i>For Installation In Metal Stud Wall, Add</i>	0.25	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.63	
			<i>For Work In Restricted Working Space, Add</i>	0.76	
26 05 33 13-1776	LF		1/2" Flexible Metallic Conduit.....	3.17	1.03
			<i>For Flexible Aluminum Conduit, Add</i>	0.10	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.39	
			<i>For Installation In Metal Stud Wall, Add</i>	0.26	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.65	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
26 05 33 13-1777	LF		3/4" Flexible Metallic Conduit.....	3.61	1.37
			<i>For Flexible Aluminum Conduit, Add</i>	0.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.42	
			<i>For Installation In Metal Stud Wall, Add</i>	0.28	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.70	
			<i>For Work In Restricted Working Space, Add</i>	0.84	
26 05 33 13-1778	LF		1" Flexible Metallic Conduit.....	4.52	1.37
			<i>For Flexible Aluminum Conduit, Add</i>	0.25	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
			<i>For Installation In Metal Stud Wall, Add</i>	0.30	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1779	LF		1-1/4" Flexible Metallic Conduit.....	5.14	1.72
			<i>For Flexible Aluminum Conduit, Add</i>	0.32	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.48	
			<i>For Installation In Metal Stud Wall, Add</i>	0.32	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	0.95	
26 05 33 13-1780	LF		1-1/2" Flexible Metallic Conduit.....	6.75	2.06
			<i>For Flexible Aluminum Conduit, Add</i>	0.57	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.50	
			<i>For Installation In Metal Stud Wall, Add</i>	0.33	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-1781	LF		2" Flexible Metallic Conduit.....	7.66	2.76
			<i>For Flexible Aluminum Conduit, Add</i>	0.70	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.52	
			<i>For Installation In Metal Stud Wall, Add</i>	0.34	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	1.03	
26 05 33 13-1782	LF		2-1/2" Flexible Steel Conduit.....	9.41	3.10
			<i>For Flexible Aluminum Conduit, Add</i>	0.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.65	
			<i>For Installation In Metal Stud Wall, Add</i>	0.43	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 33 13-1783	LF		3" Flexible Metallic Conduit.....	14.03	3.78
			<i>For Flexible Aluminum Conduit, Add</i>	1.46	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
			<i>For Installation In Metal Stud Wall, Add</i>	0.52	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	1.55	
26 05 33 13-1784	LF		3-1/2" Flexible Metallic Conduit.....	17.19	4.13
			<i>For Flexible Aluminum Conduit, Add</i>	1.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
			<i>For Installation In Metal Stud Wall, Add</i>	0.60	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	1.80	
26 05 33 13-1785	LF		4" Flexible Metallic Conduit.....	19.77	4.81
			<i>For Flexible Aluminum Conduit, Add</i>	2.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.03	
			<i>For Installation In Metal Stud Wall, Add</i>	0.69	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 33 13-1786			Plain Squeeze Type Straight Connector (26 05 33 13-1773)		
26 05 33 13-1787	EA		3/8" Flexible Straight Connectors, Plain.....	5.23	2.76
			<i>For Work In Restricted Working Space, Add</i>	1.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1788 EA 1/2" Flexible Straight Connectors, Plain.....	6.46	3.10
For Work In Restricted Working Space, Add	1.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.29	
26 05 33 13-1789 EA 3/4" Flexible Straight Connectors, Plain.....	7.44	3.78
For Work In Restricted Working Space, Add	1.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.55	
26 05 33 13-1790 EA 1" Flexible Straight Connectors, Plain.....	11.87	4.13
For Work In Restricted Working Space, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.06	
26 05 33 13-1791 EA 1-1/4" Flexible Straight Connectors, Plain.....	16.78	4.81
For Work In Restricted Working Space, Add	2.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 33 13-1792 EA 1-1/2" Flexible Straight Connectors, Plain.....	22.10	5.84
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1793 EA 2" Flexible Straight Connectors, Plain.....	29.05	5.84
For Work In Restricted Working Space, Add	3.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	
26 05 33 13-1794 EA 2-1/2" Flexible Straight Connectors, Plain.....	46.77	7.23
For Work In Restricted Working Space, Add	4.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.51	
26 05 33 13-1795 EA 3" Flexible Straight Connectors, Plain.....	61.19	7.91
For Work In Restricted Working Space, Add	5.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16	
26 05 33 13-1796 EA 3-1/2" Flexible Straight Connectors, Plain.....	189.47	9.28
For Work In Restricted Working Space, Add	5.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-1797 EA 4" Flexible Straight Connectors, Plain.....	236.73	11.34
For Work In Restricted Working Space, Add	6.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1798 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-1773)		
26 05 33 13-1799 EA 1/2" Flexible Straight Connectors, Insulated.....	7.20	3.10
For Work In Restricted Working Space, Add	1.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.29	
26 05 33 13-1800 EA 3/4" Flexible Straight Connectors, Insulated.....	8.41	3.78
For Work In Restricted Working Space, Add	1.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.55	
26 05 33 13-1801 EA 1" Flexible Straight Connectors, Insulated.....	13.19	4.13
For Work In Restricted Working Space, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.06	
26 05 33 13-1802 EA 1-1/4" Flexible Straight Connectors, Insulated.....	19.22	4.81
For Work In Restricted Working Space, Add	2.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 33 13-1803 EA 1-1/2" Flexible Straight Connectors, Insulated.....	26.44	5.16
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-1804 EA 2" Flexible Straight Connectors, Insulated.....	36.72	5.84
For Work In Restricted Working Space, Add	3.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	
26 05 33 13-1805 EA 2-1/2" Flexible Straight Connectors, Insulated.....	63.17	7.23
For Work In Restricted Working Space, Add	4.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.51	
26 05 33 13-1806 EA 3" Flexible Straight Connectors, Insulated.....	80.53	7.91
For Work In Restricted Working Space, Add	5.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16	
26 05 33 13-1807 EA 3-1/2" Flexible Straight Connectors, Insulated.....	219.28	9.28
For Work In Restricted Working Space, Add	5.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-1808 EA 4" Flexible Straight Connectors, Insulated.....	281.55	11.34
For Work In Restricted Working Space, Add	6.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1809 Plain Squeeze Type 90 Degree Connector (26 05 33 13-1773)		
26 05 33 13-1810 EA 3/8" Flexible 90 Degree Connector, Plain.....	7.34	3.44
For Work In Restricted Working Space, Add	1.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.55	
26 05 33 13-1811 EA 1/2" Flexible 90 Degree Connector, Plain.....	9.66	3.78
For Work In Restricted Working Space, Add	1.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.80	
26 05 33 13-1812 EA 3/4" Flexible 90 Degree Connector, Plain.....	12.58	4.13
For Work In Restricted Working Space, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.06	
26 05 33 13-1813 EA 1" Flexible 90 Degree Connector, Plain.....	17.62	4.81
For Work In Restricted Working Space, Add	2.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 33 13-1814 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	27.43	5.16
For Work In Restricted Working Space, Add	3.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.09	
26 05 33 13-1815 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	42.82	6.01
For Work In Restricted Working Space, Add	3.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1816 EA 2" Flexible 90 Degree Connector, Plain	51.61	7.40
For Work In Restricted Working Space, Add	4.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-1817 EA 2-1/2" Flexible 90 Degree Connector, Plain	113.64	7.91
For Work In Restricted Working Space, Add	5.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16	
26 05 33 13-1818 EA 3" Flexible 90 Degree Connector, Plain	145.95	9.28
For Work In Restricted Working Space, Add	5.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-1819 EA 3-1/2" Flexible 90 Degree Connector, Plain	309.42	11.34
For Work In Restricted Working Space, Add	6.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1820 EA 4" Flexible 90 Degree Connector, Plain	552.65	12.90
For Work In Restricted Working Space, Add	7.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.74	
26 05 33 13-1821 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-1773)		
26 05 33 13-1822 EA 1/2" Flexible 90 Degree Connector, Insulated.....	10.69	3.78
For Work In Restricted Working Space, Add	1.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.80	
26 05 33 13-1823 EA 3/4" Flexible 90 Degree Connector, Insulated.....	13.86	4.13
For Work In Restricted Working Space, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.06	
26 05 33 13-1824 EA 1" Flexible 90 Degree Connector, Insulated.....	17.62	4.81
For Work In Restricted Working Space, Add	2.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	
26 05 33 13-1825 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	31.95	5.16
For Work In Restricted Working Space, Add	3.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.09	
26 05 33 13-1826 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	51.04	6.01
For Work In Restricted Working Space, Add	3.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.87	
26 05 33 13-1827 EA 2" Flexible 90 Degree Connector, Insulated.....	64.97	7.40
For Work In Restricted Working Space, Add	4.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-1828 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	155.41	7.91
For Work In Restricted Working Space, Add	5.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16	
26 05 33 13-1829 EA 3" Flexible 90 Degree Connector, Insulated.....	191.20	9.28
For Work In Restricted Working Space, Add	5.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.80	
26 05 33 13-1830 EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	514.51	11.34
For Work In Restricted Working Space, Add	6.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.45	
26 05 33 13-1831 EA 4" Flexible 90 Degree Connector, Insulated.....	767.47	12.90
For Work In Restricted Working Space, Add	7.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.74	
26 05 33 13-1832 Plain Squeeze Type 45 Degree Connector (26 05 33 13-1773)		
26 05 33 13-1833 EA 3/8" Flexible 45 Degree Connector, Plain	8.17	3.44
For Work In Restricted Working Space, Add	1.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.55	
26 05 33 13-1834 EA 1/2" Flexible 45 Degree Connector, Plain	10.99	3.78
For Work In Restricted Working Space, Add	1.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.80	
26 05 33 13-1835 EA 3/4" Flexible 45 Degree Connector, Plain	14.07	4.13
For Work In Restricted Working Space, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.06	
26 05 33 13-1836 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-1773)		
26 05 33 13-1837 EA 3/8" Flexible 45 Degree Connector, Insulated.....	8.75	4.13
For Work In Restricted Working Space, Add	1.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.55	
26 05 33 13-1838 EA 1/2" Flexible 45 Degree Connector, Insulated.....	11.94	3.78
For Work In Restricted Working Space, Add	1.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.80	
26 05 33 13-1839 EA 3/4" Flexible 45 Degree Connector, Insulated.....	15.41	4.13
For Work In Restricted Working Space, Add	2.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.06	
26 05 33 13-1840 Plain Screw-In Connector (26 05 33 13-1773)		
26 05 33 13-1841 EA 3/8" Flexible Steel Screw-in Connector, Plain.....	4.37	2.76
For Work In Restricted Working Space, Add	1.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.16	
26 05 33 13-1842 EA 1/2" Flexible Steel Screw-in Connector, Plain.....	4.72	3.10
For Work In Restricted Working Space, Add	1.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.29	
26 05 33 13-1843 EA 3/4" Flexible Steel Screw-in Connector, Plain.....	6.01	3.78
For Work In Restricted Working Space, Add	1.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1844 EA 1" Flexible Steel Screw-in Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.58 2.06 2.06	4.13
26 05 33 13-1845 EA 1-1/4" Flexible Steel Screw-in Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.59 2.58 2.58	4.81
26 05 33 13-1846 EA 1-1/2" Flexible Steel Screw-in Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39 3.22 3.22	5.16
26 05 33 13-1847 EA 2" Flexible Steel Screw-in Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55 3.87 3.87	5.84
26 05 33 13-1848 Insulated Screw-In Connector <small>(26 05 33 13-1773)</small>		
26 05 33 13-1849 EA 3/8" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62 1.16 1.16	2.76
26 05 33 13-1850 EA 1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91 1.29 1.29	3.10
26 05 33 13-1851 EA 3/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.51 1.55 1.55	3.78
26 05 33 13-1852 EA 1" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35 2.06 2.06	4.13
26 05 33 13-1853 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.69 2.58 2.58	4.81
26 05 33 13-1854 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70 3.22 3.22	5.16
26 05 33 13-1855 EA 2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.71 3.87 3.87	5.84
26 05 33 13-1856 Screw-In Coupling <small>(26 05 33 13-1773)</small>		
26 05 33 13-1857 EA 1/2" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	5.20 1.29	3.10
26 05 33 13-1858 EA 3/4" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	6.81 1.55	3.78
26 05 33 13-1859 Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-1773)</small>		
26 05 33 13-1860 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	6.94 1.16	2.76
26 05 33 13-1861 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	9.41 1.29	3.10
26 05 33 13-1862 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	12.43 1.55	3.78
26 05 33 13-1863 Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-1773)</small>		
26 05 33 13-1864 EA 3/8" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53 1.16 1.16	2.76
26 05 33 13-1865 EA 1/2" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12 1.29 1.29	3.10
26 05 33 13-1866 EA 3/4" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.35 1.55 1.55	3.78
26 05 33 13-1867 EA 1" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.52 2.06 2.06	4.13
26 05 33 13-1868 EA 1-1/4" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.82 2.58 2.58	4.81
26 05 33 13-1869 EA 1-1/2" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.37 3.22 3.22	5.16
26 05 33 13-1870 EA 2" Flexible Straight Connector, Die Cast..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.44 3.87 3.87	5.84
26 05 33 13-1871 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-1773)</small>		
26 05 33 13-1872 EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.00 1.55 1.55	3.44

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1873	EA		1/2" Flexible 90 Degree Connector, Die Cast.....	7.41	3.78
			<i>For Work In Restricted Working Space, Add</i>	1.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.80	
26 05 33 13-1874	EA		3/4" Flexible 90 Degree Connector, Die Cast.....	8.99	4.13
			<i>For Work In Restricted Working Space, Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.06	
26 05 33 13-1875	EA		1" Flexible 90 Degree Connector, Die Cast.....	14.20	4.81
			<i>For Work In Restricted Working Space, Add</i>	2.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.58	
26 05 33 13-1876	EA		1-1/4" Flexible 90 Degree Connector, Die Cast.....	20.08	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09	
26 05 33 13-1877	EA		1-1/2" Flexible 90 Degree Connector, Die Cast.....	31.14	6.01
			<i>For Work In Restricted Working Space, Add</i>	3.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 05 33 13-1878	EA		2" Flexible 90 Degree Connector, Die Cast.....	37.20	7.40
			<i>For Work In Restricted Working Space, Add</i>	4.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	
26 05 33 13-1879			Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-1731)		
26 05 33 13-1880			Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-1879)		
26 05 33 13-1881	LF		3/8" Flexible Liquid Tight Non-Metallic Conduit.....	2.96	0.94
			<i>For Work In Restricted Working Space, Add</i>	0.71	
26 05 33 13-1882	LF		1/2" Flexible Liquid Tight Non-Metallic Conduit.....	3.01	0.94
			<i>For Work In Restricted Working Space, Add</i>	0.71	
26 05 33 13-1883	LF		3/4" Flexible Liquid Tight Non-Metallic Conduit.....	4.05	1.25
			<i>For Work In Restricted Working Space, Add</i>	0.95	
26 05 33 13-1884	LF		1" Flexible Liquid Tight Non-Metallic Conduit.....	4.98	1.25
			<i>For Work In Restricted Working Space, Add</i>	0.95	
26 05 33 13-1885	LF		1-1/4" Flexible Liquid Tight Non-Metallic Conduit.....	6.31	1.57
			<i>For Work In Restricted Working Space, Add</i>	1.18	
26 05 33 13-1886	LF		1-1/2" Flexible Liquid Tight Non-Metallic Conduit.....	8.02	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.41	
26 05 33 13-1887	LF		2" Flexible Liquid Tight Non-Metallic Conduit.....	10.32	2.52
			<i>For Work In Restricted Working Space, Add</i>	1.89	
26 05 33 13-1888			Liquid Tight Non-Metallic Straight Connector (26 05 33 13-1879)		
26 05 33 13-1889	EA		3/8" Liquid Tight Non-Metallic Straight Connector.....	8.51	2.52
			<i>For Work In Restricted Working Space, Add</i>	1.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.89	
26 05 33 13-1890	EA		1/2" Liquid Tight Non-Metallic Straight Connector.....	8.51	2.52
			<i>For Work In Restricted Working Space, Add</i>	1.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.89	
26 05 33 13-1891	EA		3/4" Liquid Tight Non-Metallic Straight Connector.....	10.37	2.83
			<i>For Work In Restricted Working Space, Add</i>	2.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.12	
26 05 33 13-1892	EA		1" Liquid Tight Non-Metallic Straight Connector.....	12.80	3.15
			<i>For Work In Restricted Working Space, Add</i>	2.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.36	
26 05 33 13-1893	EA		1-1/4" Liquid Tight Non-Metallic Straight Connector.....	17.51	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.59	
26 05 33 13-1894	EA		1-1/2" Liquid Tight Non-Metallic Straight Connector.....	21.78	3.77
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-1895	EA		2" Liquid Tight Non-Metallic Straight Connector.....	33.66	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-1896			Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-1879)		
26 05 33 13-1897	EA		3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	12.26	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.59	
26 05 33 13-1898	EA		1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	12.26	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.59	
26 05 33 13-1899	EA		3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	14.99	3.77
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-1900	EA		1" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	21.05	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-1901	EA		1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	21.78	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-1902	EA		1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	33.99	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1903 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.49 4.25 4.25	5.65
26 05 33 13-1904 Liquid Tight Non-Metallic 45 Degree Angle Connector <small>(26 05 33 13-1879)</small>		
26 05 33 13-1905 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26 2.59 2.59	3.46
26 05 33 13-1906 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.26 2.59 2.59	3.46
26 05 33 13-1907 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.99 2.83 2.83	3.77
26 05 33 13-1908 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05 3.30 3.30	4.40
26 05 33 13-1909 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.78 3.54 3.54	4.71
26 05 33 13-1910 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.99 3.77 3.77	5.03
26 05 33 13-1911 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.49 4.25 4.25	5.65
26 05 33 13-1912 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-1731)</small> Note: Carlon - FLEX-PLUS.		
26 05 33 13-1913 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-1912)</small>		
26 05 33 13-1914 LF 1/2" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.84 0.77	1.03
26 05 33 13-1915 LF 3/4" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.80 1.03	1.37
26 05 33 13-1916 LF 1" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	4.02 1.03	1.37
26 05 33 13-1917 Terminal Adapter <small>(26 05 33 13-1912)</small>		
26 05 33 13-1918 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.30 2.06 2.06	2.76
26 05 33 13-1919 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.52 2.32 2.32	3.10
26 05 33 13-1920 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60 2.58 2.58	3.44
26 05 33 13-1921 Coupling <small>(26 05 33 13-1912)</small>		
26 05 33 13-1922 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.24 2.06	2.76
26 05 33 13-1923 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.22 2.32	3.10
26 05 33 13-1924 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.32 2.58	3.44
26 05 33 13-1925 Conduit Installed Below Grade <small>(26 05 33 13-0040)</small> Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33 13-1926 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1925)</small>		
26 05 33 13-1927 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <small>(26 05 33 13-1926)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1928 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.62 0.16 0.30	
26 05 33 13-1929 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.86 0.19 0.34	
26 05 33 13-1930 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.15 0.22 0.40	
26 05 33 13-1931 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.45 0.26 0.45	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1932	LF	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.74	
			<i>For Schedule 60, Add</i>	0.29	
			<i>For Schedule 80, Add</i>	0.50	
26 05 33 13-1933	LF	2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.09	
			<i>For Schedule 60, Add</i>	0.34	
			<i>For Schedule 80, Add</i>	0.58	
26 05 33 13-1934	LF	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.69	
			<i>For Schedule 60, Add</i>	0.45	
			<i>For Schedule 80, Add</i>	0.74	
26 05 33 13-1935	LF	3"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.09	
			<i>For Schedule 60, Add</i>	0.51	
			<i>For Schedule 80, Add</i>	0.83	
26 05 33 13-1936	LF	3-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.64	
			<i>For Schedule 60, Add</i>	0.61	
			<i>For Schedule 80, Add</i>	0.98	
26 05 33 13-1937	LF	4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.99	
			<i>For Schedule 60, Add</i>	0.66	
			<i>For Schedule 80, Add</i>	1.05	
26 05 33 13-1938	LF	5"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.99	
			<i>For Schedule 60, Add</i>	0.88	
			<i>For Schedule 80, Add</i>	1.36	
26 05 33 13-1939	LF	6"	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	8.03	
			<i>For Schedule 60, Add</i>	1.10	
			<i>For Schedule 80, Add</i>	1.68	
26 05 33 13-1940			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
			See CSI section 26 05 33 13-2382 for conduit field bending.		
26 05 33 13-1941	EA	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	19.54	
			<i>For Schedule 60, Add</i>	1.10	
			<i>For Schedule 80, Add</i>	2.11	
26 05 33 13-1942	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	23.41	
			<i>For Schedule 60, Add</i>	1.31	
			<i>For Schedule 80, Add</i>	2.52	
26 05 33 13-1943	EA	1"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	27.61	
			<i>For Schedule 60, Add</i>	1.61	
			<i>For Schedule 80, Add</i>	3.04	
26 05 33 13-1944	EA	1-1/4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	31.91	
			<i>For Schedule 60, Add</i>	1.92	
			<i>For Schedule 80, Add</i>	3.60	
26 05 33 13-1945	EA	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	36.28	
			<i>For Schedule 60, Add</i>	2.26	
			<i>For Schedule 80, Add</i>	4.18	
26 05 33 13-1946	EA	2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	40.80	
			<i>For Schedule 60, Add</i>	2.63	
			<i>For Schedule 80, Add</i>	4.82	
26 05 33 13-1947	EA	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	47.18	
			<i>For Schedule 60, Add</i>	3.47	
			<i>For Schedule 80, Add</i>	6.11	
26 05 33 13-1948	EA	3"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	54.73	
			<i>For Schedule 60, Add</i>	4.60	
			<i>For Schedule 80, Add</i>	7.81	
26 05 33 13-1949	EA	3-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	66.10	
			<i>For Schedule 60, Add</i>	5.93	
			<i>For Schedule 80, Add</i>	9.89	
26 05 33 13-1950	EA	4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	77.45	
			<i>For Schedule 60, Add</i>	7.25	
			<i>For Schedule 80, Add</i>	11.97	
26 05 33 13-1951	EA	5"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	97.33	
			<i>For Schedule 60, Add</i>	10.71	
			<i>For Schedule 80, Add</i>	17.04	
26 05 33 13-1952	EA	6"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	112.98	
			<i>For Schedule 60, Add</i>	13.11	
			<i>For Schedule 80, Add</i>	20.62	
26 05 33 13-1953			Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial <small>(26 05 33 13-1926)</small>		
			See CSI section 26 05 33 13-2382 for conduit field bending.		
26 05 33 13-1954	EA	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	19.41	
			<i>For Schedule 60, Add</i>	1.07	
			<i>For Schedule 80, Add</i>	2.06	
26 05 33 13-1955	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	23.37	
			<i>For Schedule 60, Add</i>	1.30	
			<i>For Schedule 80, Add</i>	2.50	
26 05 33 13-1956	EA	1"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	27.54	
			<i>For Schedule 60, Add</i>	1.59	
			<i>For Schedule 80, Add</i>	3.02	
26 05 33 13-1957	EA	1-1/4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	31.71	
			<i>For Schedule 60, Add</i>	1.87	
			<i>For Schedule 80, Add</i>	3.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1958 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	35.84	
<i>For Schedule 60, Add</i>	2.15	
<i>For Schedule 80, Add</i>	4.03	
26 05 33 13-1959 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	40.56	
<i>For Schedule 60, Add</i>	2.57	
<i>For Schedule 80, Add</i>	4.74	
26 05 33 13-1960 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	46.73	
<i>For Schedule 60, Add</i>	3.36	
<i>For Schedule 80, Add</i>	5.95	
26 05 33 13-1961 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	54.17	
<i>For Schedule 60, Add</i>	4.46	
<i>For Schedule 80, Add</i>	7.61	
26 05 33 13-1962 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	64.53	
<i>For Schedule 60, Add</i>	5.54	
<i>For Schedule 80, Add</i>	9.34	
26 05 33 13-1963 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	76.09	
<i>For Schedule 60, Add</i>	6.91	
<i>For Schedule 80, Add</i>	11.50	
26 05 33 13-1964 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	95.57	
<i>For Schedule 60, Add</i>	10.27	
<i>For Schedule 80, Add</i>	16.42	
26 05 33 13-1965 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	107.76	
<i>For Schedule 60, Add</i>	11.80	
<i>For Schedule 80, Add</i>	18.80	
26 05 33 13-1966 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1967 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	10.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.18	
26 05 33 13-1968 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	12.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.63	
26 05 33 13-1969 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	14.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.09	
26 05 33 13-1970 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	15.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.54	
26 05 33 13-1971 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	17.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.00	
26 05 33 13-1972 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	19.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-1973 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	22.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.13	
26 05 33 13-1974 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	25.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.81	
26 05 33 13-1975 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	30.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.94	
26 05 33 13-1976 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	33.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.08	
26 05 33 13-1977 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	41.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.22	
26 05 33 13-1978 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	46.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.35	
26 05 33 13-1979 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1980 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.95	
26 05 33 13-1981 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.89	
26 05 33 13-1982 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	23.61	
26 05 33 13-1983 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	26.39	
26 05 33 13-1984 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	29.16	
26 05 33 13-1985 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.41	
26 05 33 13-1986 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.20	
26 05 33 13-1987 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	45.89	
26 05 33 13-1988 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	51.18	
26 05 33 13-1989 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1926)</small>		
26 05 33 13-1990 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	10.83	
26 05 33 13-1991 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	12.48	
26 05 33 13-1992 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	14.06	
26 05 33 13-1993 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial	15.71	
26 05 33 13-1994 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	17.28	
26 05 33 13-1995 EA 2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	19.02	
26 05 33 13-1996 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	22.16	
26 05 33 13-1997 EA 3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	25.11	
26 05 33 13-1998 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	29.56	
26 05 33 13-1999 EA 4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	33.42	
26 05 33 13-2000 EA 5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	40.27	
26 05 33 13-2001 EA 6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial	45.30	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2002			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1925)</small> Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-2003			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-2002)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-2004	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	8.60	1.65
			For >250 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.75	
26 05 33 13-2005	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	9.67	2.05
			For >250 To 500, Deduct	-0.37	
			For >500 To 1,000, Deduct	-0.61	
			For >1,000, Deduct	-0.85	
26 05 33 13-2006	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	11.92	2.28
			For >250 To 500, Deduct	-0.46	
			For >500 To 1,000, Deduct	-0.76	
			For >1,000, Deduct	-1.05	
26 05 33 13-2007	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.43	3.07
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.93	
			For >1,000, Deduct	-1.29	
26 05 33 13-2008	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	16.98	3.46
			For >250 To 500, Deduct	-0.67	
			For >500 To 1,000, Deduct	-1.10	
			For >1,000, Deduct	-1.52	
26 05 33 13-2009	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	21.54	3.77
			For >250 To 500, Deduct	-0.86	
			For >500 To 1,000, Deduct	-1.40	
			For >1,000, Deduct	-1.94	
26 05 33 13-2010	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	31.35	5.65
			For >250 To 500, Deduct	-1.27	
			For >500 To 1,000, Deduct	-2.06	
			For >1,000, Deduct	-2.84	
26 05 33 13-2011	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	40.38	7.08
			For >250 To 500, Deduct	-1.63	
			For >500 To 1,000, Deduct	-2.64	
			For >1,000, Deduct	-3.65	
26 05 33 13-2012	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	49.82	7.47
			For >250 To 500, Deduct	-2.00	
			For >500 To 1,000, Deduct	-3.25	
			For >1,000, Deduct	-4.49	
26 05 33 13-2013	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	59.14	8.25
			For >250 To 500, Deduct	-2.37	
			For >500 To 1,000, Deduct	-3.85	
			For >1,000, Deduct	-5.32	
26 05 33 13-2014	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	92.88	11.40
			For >250 To 500, Deduct	-3.90	
			For >500 To 1,000, Deduct	-6.22	
			For >1,000, Deduct	-8.54	
26 05 33 13-2015	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	124.09	14.94
			For >250 To 500, Deduct	-5.26	
			For >500 To 1,000, Deduct	-8.36	
			For >1,000, Deduct	-11.47	
26 05 33 13-2016			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2017	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	9.23	2.36
26 05 33 13-2018	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.03	3.15
26 05 33 13-2019	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	14.01	3.93
26 05 33 13-2020	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.81	4.32
26 05 33 13-2021	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	18.75	5.11
26 05 33 13-2022	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	24.27	5.89
26 05 33 13-2023	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	45.03	7.08
26 05 33 13-2024	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	57.15	9.82
26 05 33 13-2025	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	70.91	11.40
26 05 33 13-2026	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	87.69	15.72
26 05 33 13-2027	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	226.54	21.61
26 05 33 13-2028	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	229.14	12.18
26 05 33 13-2029			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small> Note: 90, 45, or 30 degree.		
26 05 33 13-2030	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	35.49	9.82
26 05 33 13-2031	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	40.81	12.18
26 05 33 13-2032	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	48.72	14.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2033 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	57.77	17.29
26 05 33 13-2034 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	67.78	19.65
26 05 33 13-2035 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	82.98	21.61
26 05 33 13-2036 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	129.13	27.12
26 05 33 13-2037 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	193.56	36.94
26 05 33 13-2038 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	240.35	41.65
26 05 33 13-2039 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	274.46	54.23
26 05 33 13-2040 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	576.88	88.42
26 05 33 13-2041 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	908.67	132.83
26 05 33 13-2042 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2043 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	86.06	14.94
26 05 33 13-2044 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	96.75	17.29
26 05 33 13-2045 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	110.46	19.65
26 05 33 13-2046 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	132.23	21.61
26 05 33 13-2047 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	184.87	27.12
26 05 33 13-2048 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2049 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	96.16	14.94
26 05 33 13-2050 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	113.44	17.29
26 05 33 13-2051 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	122.43	19.65
26 05 33 13-2052 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	158.32	21.61
26 05 33 13-2053 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	210.02	27.12
26 05 33 13-2054 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	268.16	36.94
26 05 33 13-2055 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2056 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	108.23	14.94
26 05 33 13-2057 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	122.13	17.29
26 05 33 13-2058 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	137.78	19.65
26 05 33 13-2059 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	166.97	21.61
26 05 33 13-2060 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	238.93	27.12
26 05 33 13-2061 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	302.10	36.94
26 05 33 13-2062 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	382.47	41.65
26 05 33 13-2063 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	429.30	54.23
26 05 33 13-2064 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	129.09	14.94
26 05 33 13-2066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	142.53	17.29
26 05 33 13-2067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	160.94	19.65
26 05 33 13-2068 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	200.32	21.61
26 05 33 13-2069 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	290.66	27.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2070 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	359.60	36.94
26 05 33 13-2071 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	417.58	41.65
26 05 33 13-2072 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	493.75	54.23
26 05 33 13-2073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2074 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	145.31	14.94
26 05 33 13-2075 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	161.51	17.29
26 05 33 13-2076 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	183.73	19.65
26 05 33 13-2077 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	229.35	21.61
26 05 33 13-2078 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	318.89	27.12
26 05 33 13-2079 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	405.59	36.94
26 05 33 13-2080 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	502.94	41.65
26 05 33 13-2081 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	552.92	54.23
26 05 33 13-2082 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	922.27	88.42
26 05 33 13-2083 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2084 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	166.54	14.94
26 05 33 13-2085 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	184.46	17.29
26 05 33 13-2086 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	208.72	19.65
26 05 33 13-2087 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	261.55	21.61
26 05 33 13-2088 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	365.93	27.12
26 05 33 13-2089 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	464.18	36.94
26 05 33 13-2090 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	545.71	41.65
26 05 33 13-2091 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	629.29	54.23
26 05 33 13-2092 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	975.80	88.42
26 05 33 13-2093 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,331.63	132.83
26 05 33 13-2094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2095 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	196.08	14.94
26 05 33 13-2096 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	204.91	17.29
26 05 33 13-2097 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	242.16	19.65
26 05 33 13-2098 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	306.37	21.61
26 05 33 13-2099 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	429.35	27.12
26 05 33 13-2100 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	543.18	36.94
26 05 33 13-2101 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	664.62	41.65
26 05 33 13-2102 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	777.88	54.23
26 05 33 13-2103 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,150.40	88.42
26 05 33 13-2104 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,411.78	132.83
26 05 33 13-2105 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2106 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	203.20	14.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2107 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	239.50	17.29
26 05 33 13-2108 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	271.09	19.65
26 05 33 13-2109 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	319.86	21.61
26 05 33 13-2110 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	445.19	27.12
26 05 33 13-2111 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	567.47	36.94
26 05 33 13-2112 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	729.38	41.65
26 05 33 13-2113 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	811.58	54.23
26 05 33 13-2114 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,197.30	88.42
26 05 33 13-2115 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,452.50	132.83
26 05 33 13-2116 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2117 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	66.87	9.82
26 05 33 13-2118 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	72.44	12.18
26 05 33 13-2119 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	94.31	14.94
26 05 33 13-2120 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	138.32	17.29
26 05 33 13-2121 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	164.41	19.65
26 05 33 13-2122 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	209.96	21.61
26 05 33 13-2123 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	279.96	27.12
26 05 33 13-2124 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	365.43	27.12
26 05 33 13-2125 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	469.33	41.65
26 05 33 13-2126 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	604.12	54.23
26 05 33 13-2127 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,103.29	88.42
26 05 33 13-2128 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,369.04	132.83
26 05 33 13-2129 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2130 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	68.46	9.82
26 05 33 13-2131 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	78.51	12.18
26 05 33 13-2132 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	97.55	14.94
26 05 33 13-2133 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	144.26	17.29
26 05 33 13-2134 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	172.66	19.65
26 05 33 13-2135 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	227.78	21.61
26 05 33 13-2136 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	318.09	27.12
26 05 33 13-2137 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	404.20	27.12
26 05 33 13-2138 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	539.42	41.65
26 05 33 13-2139 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	673.95	54.23
26 05 33 13-2140 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,231.29	88.42
26 05 33 13-2141 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,575.73	132.83
26 05 33 13-2142 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-2002)</small>		
26 05 33 13-2143 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	22.82	4.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.83</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2144 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	25.44	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2145 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.34	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2146 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.00	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2147 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.94	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2148 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	25.33	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2149 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.27	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2150 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.19	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2151 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.96	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2152 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.05	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2153 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.31	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2154 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	25.46	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2155 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.39	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2156 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.41	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2157 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.21	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2158 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.30	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2159 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.97	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2160 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.20	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2161 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.13	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2162 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.28	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2163 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.27	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2164 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.47	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2165 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.02	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2166 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	64.84	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2167 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	83.59	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2168 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.32	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2169 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.37	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2170 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.54	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2171 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.33	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2172 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.65	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2173 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.07	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2174 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.66	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2175 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.49	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2176 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.69	20.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-2177 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.67	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33 13-2178 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.56	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2179 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.63	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2180 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.81	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2181 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.83	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2182 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.16	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2183 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.19	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2184 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.86	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2185 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.32	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2186 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.94	20.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-2187 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.00	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33 13-2188 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	184.74	37.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33 13-2189 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.02	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2190 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.08	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2191 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.30	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2192 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.74	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2193 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.26	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2194 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.30	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2195 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.18	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2196 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	101.08	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2197 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.92	20.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-2198 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	136.78	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33 13-2199 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	202.36	37.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2200 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.73	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2201 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.78	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2202 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.40	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2203 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.98	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2204 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.49	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2205 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.75	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2206 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	90.18	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2207 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	111.69	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2208 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	130.41	20.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-2209 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	154.47	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33 13-2210 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	214.44	37.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33 13-2211 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	29.48	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2212 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.51	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2213 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.48	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2214 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.27	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2215 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.79	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2216 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	63.77	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-2217 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	99.70	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2218 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	125.28	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2219 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	148.78	20.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-2220 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	185.43	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33 13-2221 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	238.53	37.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33 13-2222 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.25	5.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-2223 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.37	5.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 33 13-2224 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.22	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33 13-2225 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.69	8.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-2226 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	58.21	9.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33 13-2227 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	70.20	11.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2228 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.39	13.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.02	
26 05 33 13-2229 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	145.66	18.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.08	
26 05 33 13-2230 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.05	20.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-2231 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	194.92	27.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.27	
26 05 33 13-2232 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	241.97	37.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.40	
26 05 33 13-2233 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1925)</small> Note: Direct burial or encased application.		
26 05 33 13-2234 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2233)</small>		
26 05 33 13-2235 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.26	0.98
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-2236 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.67	1.06
<i>For Work In Restricted Working Space, Add</i>	0.79	
26 05 33 13-2237 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.98	1.13
<i>For Work In Restricted Working Space, Add</i>	0.85	
26 05 33 13-2238 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.28	1.21
<i>For Work In Restricted Working Space, Add</i>	0.91	
26 05 33 13-2239 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.67	1.28
<i>For Work In Restricted Working Space, Add</i>	0.97	
26 05 33 13-2240 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.92	1.36
<i>For Work In Restricted Working Space, Add</i>	1.02	
26 05 33 13-2241 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.61	1.44
<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 33 13-2242 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.40	1.51
<i>For Work In Restricted Working Space, Add</i>	1.14	
26 05 33 13-2243 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.04	1.59
<i>For Work In Restricted Working Space, Add</i>	1.19	
26 05 33 13-2244 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.68	1.66
<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 33 13-2245 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.99	1.74
<i>For Work In Restricted Working Space, Add</i>	1.31	
26 05 33 13-2246 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.59	1.81
<i>For Work In Restricted Working Space, Add</i>	1.36	
26 05 33 13-2247 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2233)</small>		
26 05 33 13-2248 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	52.24	7.57
<i>For Work In Restricted Working Space, Add</i>	5.68	
<i>For 24" Radius, Add</i>	3.45	
<i>For 36" Radius, Add</i>	5.22	
<i>For 48" Radius, Add</i>	7.00	
26 05 33 13-2249 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	60.01	9.08
<i>For Work In Restricted Working Space, Add</i>	6.81	
<i>For 24" Radius, Add</i>	3.93	
<i>For 36" Radius, Add</i>	6.00	
<i>For 48" Radius, Add</i>	8.07	
26 05 33 13-2250 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	64.16	10.60
<i>For Work In Restricted Working Space, Add</i>	7.94	
<i>For 24" Radius, Add</i>	4.15	
<i>For 36" Radius, Add</i>	6.42	
<i>For 48" Radius, Add</i>	8.68	
26 05 33 13-2251 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	68.32	12.11
<i>For Work In Restricted Working Space, Add</i>	9.08	
<i>For 24" Radius, Add</i>	4.37	
<i>For 36" Radius, Add</i>	6.83	
<i>For 48" Radius, Add</i>	9.30	
26 05 33 13-2252 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	72.49	13.62
<i>For Work In Restricted Working Space, Add</i>	10.22	
<i>For 24" Radius, Add</i>	4.59	
<i>For 36" Radius, Add</i>	7.25	
<i>For 48" Radius, Add</i>	9.91	
26 05 33 13-2253 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	81.57	15.13
<i>For Work In Restricted Working Space, Add</i>	11.35	
<i>For 24" Radius, Add</i>	5.17	
<i>For 36" Radius, Add</i>	8.16	
<i>For 48" Radius, Add</i>	11.14	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2254	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	93.97	16.65
			<i>For Work In Restricted Working Space, Add</i>	12.49	
			<i>For 24" Radius, Add</i>	6.01	
			<i>For 36" Radius, Add</i>	9.40	
			<i>For 48" Radius, Add</i>	12.79	
26 05 33	13-2255	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	108.21	18.16
			<i>For Work In Restricted Working Space, Add</i>	13.62	
			<i>For 24" Radius, Add</i>	6.98	
			<i>For 36" Radius, Add</i>	10.82	
			<i>For 48" Radius, Add</i>	14.66	
26 05 33	13-2256	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	123.64	21.19
			<i>For Work In Restricted Working Space, Add</i>	15.89	
			<i>For 24" Radius, Add</i>	7.95	
			<i>For 36" Radius, Add</i>	12.36	
			<i>For 48" Radius, Add</i>	16.78	
26 05 33	13-2257	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	139.05	27.24
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For 24" Radius, Add</i>	8.92	
			<i>For 36" Radius, Add</i>	13.91	
			<i>For 48" Radius, Add</i>	18.89	
26 05 33	13-2258	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	166.25	27.24
			<i>For Work In Restricted Working Space, Add</i>	20.43	
			<i>For 24" Radius, Add</i>	10.77	
			<i>For 36" Radius, Add</i>	16.63	
			<i>For 48" Radius, Add</i>	22.48	
26 05 33	13-2259	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	198.35	30.27
			<i>For Work In Restricted Working Space, Add</i>	22.70	
			<i>For 24" Radius, Add</i>	12.98	
			<i>For 36" Radius, Add</i>	19.84	
			<i>For 48" Radius, Add</i>	26.69	
26 05 33 13-2260 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2233)</small>					
26 05 33	13-2261	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	24.39	4.24
			<i>For Work In Restricted Working Space, Add</i>	3.18	
26 05 33	13-2262	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	27.48	4.85
			<i>For Work In Restricted Working Space, Add</i>	3.63	
26 05 33	13-2263	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	29.15	5.45
			<i>For Work In Restricted Working Space, Add</i>	4.09	
26 05 33	13-2264	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	30.79	6.05
			<i>For Work In Restricted Working Space, Add</i>	4.54	
26 05 33	13-2265	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	32.63	6.66
			<i>For Work In Restricted Working Space, Add</i>	5.00	
26 05 33	13-2266	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	37.18	7.26
			<i>For Work In Restricted Working Space, Add</i>	5.45	
26 05 33	13-2267	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	43.33	8.17
			<i>For Work In Restricted Working Space, Add</i>	6.13	
26 05 33	13-2268	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	50.19	9.08
			<i>For Work In Restricted Working Space, Add</i>	6.81	
26 05 33	13-2269	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	57.39	10.60
			<i>For Work In Restricted Working Space, Add</i>	7.94	
26 05 33	13-2270	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	64.62	12.11
			<i>For Work In Restricted Working Space, Add</i>	9.08	
26 05 33	13-2271	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	76.99	13.62
			<i>For Work In Restricted Working Space, Add</i>	10.22	
26 05 33	13-2272	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	91.49	15.13
			<i>For Work In Restricted Working Space, Add</i>	11.35	
26 05 33 13-2273 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2233)</small>					
26 05 33	13-2274	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	18.38	4.24
			<i>For Work In Restricted Working Space, Add</i>	3.18	
26 05 33	13-2275	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	20.76	4.85
			<i>For Work In Restricted Working Space, Add</i>	3.63	
26 05 33	13-2276	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	22.36	5.45
			<i>For Work In Restricted Working Space, Add</i>	4.09	
26 05 33	13-2277	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	23.96	6.05
			<i>For Work In Restricted Working Space, Add</i>	4.54	
26 05 33	13-2278	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	25.57	6.66
			<i>For Work In Restricted Working Space, Add</i>	5.00	
26 05 33	13-2279	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.14	7.26
			<i>For Work In Restricted Working Space, Add</i>	5.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2280 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	31.20	8.17
For Work In Restricted Working Space, Add	6.13	
26 05 33 13-2281 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	35.64	9.08
For Work In Restricted Working Space, Add	6.81	
26 05 33 13-2282 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	41.02	10.60
For Work In Restricted Working Space, Add	7.94	
26 05 33 13-2283 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.43	12.11
For Work In Restricted Working Space, Add	9.08	
26 05 33 13-2284 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	54.28	13.62
For Work In Restricted Working Space, Add	10.22	
26 05 33 13-2285 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	63.09	15.13
For Work In Restricted Working Space, Add	11.35	
 26 05 33 13-2286 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2233)</small>		
26 05 33 13-2287 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	15.73	2.42
For Work In Restricted Working Space, Add	1.82	
26 05 33 13-2288 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	17.57	2.72
For Work In Restricted Working Space, Add	2.04	
26 05 33 13-2289 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	18.44	3.02
For Work In Restricted Working Space, Add	2.27	
26 05 33 13-2290 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	19.26	3.33
For Work In Restricted Working Space, Add	2.50	
26 05 33 13-2291 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	20.27	3.64
For Work In Restricted Working Space, Add	2.72	
26 05 33 13-2292 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	23.92	4.24
For Work In Restricted Working Space, Add	3.18	
26 05 33 13-2293 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	28.84	5.15
For Work In Restricted Working Space, Add	3.86	
26 05 33 13-2294 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	34.30	6.05
For Work In Restricted Working Space, Add	4.54	
26 05 33 13-2295 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	40.48	7.57
For Work In Restricted Working Space, Add	5.68	
26 05 33 13-2296 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	46.67	9.08
For Work In Restricted Working Space, Add	6.81	
26 05 33 13-2297 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	56.42	10.60
For Work In Restricted Working Space, Add	7.94	
26 05 33 13-2298 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	67.71	12.11
For Work In Restricted Working Space, Add	9.08	
 26 05 33 13-2299 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2233)</small>		
26 05 33 13-2300 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	48.50	15.13
For Work In Restricted Working Space, Add	11.35	
26 05 33 13-2301 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	57.23	18.16
For Work In Restricted Working Space, Add	13.62	
26 05 33 13-2302 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	64.94	21.19
For Work In Restricted Working Space, Add	15.89	
26 05 33 13-2303 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	72.58	24.22
For Work In Restricted Working Space, Add	18.16	
26 05 33 13-2304 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	76.64	25.73
For Work In Restricted Working Space, Add	19.30	
26 05 33 13-2305 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	82.76	27.24
For Work In Restricted Working Space, Add	20.43	
26 05 33 13-2306 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	89.49	28.76
For Work In Restricted Working Space, Add	21.57	
26 05 33 13-2307 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	96.79	30.27
For Work In Restricted Working Space, Add	22.70	
26 05 33 13-2308 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	103.20	31.78
For Work In Restricted Working Space, Add	23.84	
26 05 33 13-2309 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	109.63	33.29
For Work In Restricted Working Space, Add	24.98	
26 05 33 13-2310 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	120.00	34.82
For Work In Restricted Working Space, Add	26.11	
26 05 33 13-2311 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	132.04	36.33
For Work In Restricted Working Space, Add	27.25	
 26 05 33 13-2312 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2233)</small>		
26 05 33 13-2313 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	52.83	15.13
For Work In Restricted Working Space, Add	11.35	
26 05 33 13-2314 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	62.08	18.16
For Work In Restricted Working Space, Add	13.62	
26 05 33 13-2315 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	69.82	21.19
For Work In Restricted Working Space, Add	15.89	
26 05 33 13-2316 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	77.51	24.22
For Work In Restricted Working Space, Add	18.16	

26 Electrical
26 05 Common Work Results For Electrical
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2317	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	81.62 19.30	25.73
26 05 33	13-2318	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	88.44 20.43	27.24
26 05 33	13-2319	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	96.30 21.57	28.76
26 05 33	13-2320	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	104.96 22.70	30.27
26 05 33	13-2321	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	112.41 23.84	31.78
26 05 33	13-2322	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	119.86 24.98	33.29
26 05 33	13-2323	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	132.83 26.11	34.82
26 05 33	13-2324	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	148.07 27.25	36.33
26 05 33 13-2325 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters					
26 05 33	13-2326	EA	^(26 05 33 13-2333) 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	46.25 3.18	4.24
26 05 33	13-2327	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	51.72 3.63	4.85
26 05 33	13-2328	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	54.44 4.09	5.45
26 05 33	13-2329	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	57.22 4.54	6.05
26 05 33	13-2330	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	59.40 5.00	6.66
26 05 33	13-2331	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	64.98 5.45	7.26
26 05 33	13-2332	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.62 6.13	8.17
26 05 33	13-2333	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	90.10 6.81	9.08
26 05 33	13-2334	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	114.51 9.08	12.11
26 05 33	13-2335	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	139.39 10.22	13.62
26 05 33	13-2336	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	168.69 11.35	15.13
26 05 33 13-2337 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints					
26 05 33	13-2338	EA	^(26 05 33 13-2233) 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	60.36 11.35	15.13
26 05 33	13-2339	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	70.43 13.62	18.16
26 05 33	13-2340	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.90 15.89	21.19
26 05 33	13-2341	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	102.23 18.16	24.22
26 05 33	13-2342	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	121.48 19.30	25.73
26 05 33	13-2343	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	152.81 20.43	27.24
26 05 33	13-2344	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	205.18 21.57	28.76
26 05 33	13-2345	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	240.95 22.70	30.27
26 05 33	13-2346	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	282.72 23.84	31.78
26 05 33	13-2347	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	324.49 24.98	33.29
26 05 33	13-2348	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	373.59 26.11	34.82
26 05 33	13-2349	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	577.31 27.25	36.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2350	Spacers <small>(26 05 33 13-1925)</small>	
	Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1925 for conduit.	
26 05 33 13-2351	EA 1" Base Spacers, Average 4" Wide, Direct Burial	7.78
26 05 33 13-2352	EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.39
26 05 33 13-2353	EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	9.29
26 05 33 13-2354	EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	10.03
26 05 33 13-2355	EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.35
26 05 33 13-2356	EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.08
26 05 33 13-2357	EA 2" Base Spacer, Average 4" Wide, Direct Burial	11.67
26 05 33 13-2358	EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.84
26 05 33 13-2359	EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.92
26 05 33 13-2360	EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.48
26 05 33 13-2361	EA 3" Base Spacer, Average 4" Wide, Direct Burial	14.81
26 05 33 13-2362	EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	14.11
26 05 33 13-2363	EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.04
26 05 33 13-2364	EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.33
26 05 33 13-2365	EA 4" Base Spacer, Average 4" Wide, Direct Burial	16.52
26 05 33 13-2366	EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.76
26 05 33 13-2367	EA 5" Base Spacer, Average 4" Wide, Direct Burial	18.26
26 05 33 13-2368	EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	17.37
26 05 33 13-2369	EA 6" Base Spacer, Average 4" Wide, Direct Burial	20.42
26 05 33 13-2370	EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	19.68
26 05 33 13-2371	Conduit Field Bending <small>(26 05 33 13-0040)</small>	
26 05 33 13-2372	Metallic Conduit Field Bending <small>(26 05 33 13-2371)</small>	
	Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.	
26 05 33 13-2373	EA 1-1/4" Metallic Conduit Field Bending	13.25
26 05 33 13-2374	EA 1-1/2" Metallic Conduit Field Bending	17.66
26 05 33 13-2375	EA 2" Metallic Conduit Field Bending	22.08
26 05 33 13-2376	EA 2-1/2" Metallic Conduit Field Bending	30.91
26 05 33 13-2377	EA 3" Metallic Conduit Field Bending	39.76
26 05 33 13-2378	EA 3-1/2" Metallic Conduit Field Bending	48.59
26 05 33 13-2379	EA 4" Metallic Conduit Field Bending	57.42
26 05 33 13-2380	EA 5" Metallic Conduit Field Bending	70.67
26 05 33 13-2381	EA 6" Metallic Conduit Field Bending	83.92
26 05 33 13-2382	Plastic Conduit Field Bending <small>(26 05 33 13-2371)</small>	
	Note: For PVC conduits.	
26 05 33 13-2383	EA 1" Plastic Conduit Field Bending	20.32
26 05 33 13-2384	EA 1-1/4" Plastic Conduit Field Bending	22.08
26 05 33 13-2385	EA 1-1/2" Plastic Conduit Field Bending	26.50
26 05 33 13-2386	EA 2" Plastic Conduit Field Bending	35.33
26 05 33 13-2387	EA 2-1/2" Plastic Conduit Field Bending	44.17
26 05 33 13-2388	EA 3" Plastic Conduit Field Bending	53.00
26 05 33 13-2389	EA 3-1/2" Plastic Conduit Field Bending	61.84
26 05 33 13-2390	EA 4" Plastic Conduit Field Bending	70.67
26 05 33 13-2391	EA 5" Plastic Conduit Field Bending	79.50
26 05 33 13-2392	EA 6" Plastic Conduit Field Bending	88.33
26 05 33 13-2393	Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0040)</small>	
	Note: For use when connecting conduit to an existing in-place system.	
26 05 33 13-2394	EA 1/2", Cut And Thread Existing In-Place Threaded Conduit	25.84
	<i>For Work In Restricted Working Space, Add</i>	7.75
26 05 33 13-2395	EA 3/4", Cut And Thread Existing In-Place Threaded Conduit	28.42
	<i>For Work In Restricted Working Space, Add</i>	8.53
26 05 33 13-2396	EA 1", Cut And Thread Existing In-Place Threaded Conduit	31.00
	<i>For Work In Restricted Working Space, Add</i>	9.30
26 05 33 13-2397	EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit	33.59
	<i>For Work In Restricted Working Space, Add</i>	10.08
26 05 33 13-2398	EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit	35.30
	<i>For Work In Restricted Working Space, Add</i>	10.59
26 05 33 13-2399	EA 2", Cut And Thread Existing In-Place Threaded Conduit	37.03
	<i>For Work In Restricted Working Space, Add</i>	11.11
26 05 33 13-2400	EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit	38.75
	<i>For Work In Restricted Working Space, Add</i>	11.63
26 05 33 13-2401	EA 3", Cut And Thread Existing In-Place Threaded Conduit	40.47
	<i>For Work In Restricted Working Space, Add</i>	12.14
26 05 33 13-2402	EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit	41.33
	<i>For Work In Restricted Working Space, Add</i>	12.40
26 05 33 13-2403	EA 4", Cut And Thread Existing In-Place Threaded Conduit	42.19
	<i>For Work In Restricted Working Space, Add</i>	12.66
26 05 33 13-2404	EA 5", Cut And Thread Existing In-Place Threaded Conduit	43.91
	<i>For Work In Restricted Working Space, Add</i>	13.17
26 05 33 13-2405	EA 6", Cut And Thread Existing In-Place Threaded Conduit	45.64
	<i>For Work In Restricted Working Space, Add</i>	13.69

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2406		Conduit Bodies <small>(26 05 33 13-0040)</small>		
26 05 33	13-2407		Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2406)</small>		
26 05 33	13-2408		Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-2407)</small>		
26 05 33	13-2409	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	44.72	15.09
			For Mogul LB, Add	3.36	
			For Work In Restricted Working Space, Add	11.32	
			For Installation Above 14', Add	5.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	
26 05 33	13-2410	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	52.74	17.29
			For Mogul LB, Add	4.97	
			For Work In Restricted Working Space, Add	12.97	
			For Installation Above 14', Add	6.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 05 33	13-2411	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.84	20.12
			For Mogul LB, Add	7.64	
			For Work In Restricted Working Space, Add	15.09	
			For Installation Above 14', Add	7.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.09	
26 05 33	13-2412	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.59	22.95
			For Mogul LB, Add	12.30	
			For Work In Restricted Working Space, Add	17.21	
			For Installation Above 14', Add	8.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	
26 05 33	13-2413	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	88.96	25.15
			For Mogul LB, Add	16.42	
			For Work In Restricted Working Space, Add	18.86	
			For Installation Above 14', Add	9.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33	13-2414	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	117.58	30.18
			For Mogul LB, Add	27.83	
			For Work In Restricted Working Space, Add	22.64	
			For Installation Above 14', Add	11.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.64	
26 05 33	13-2415	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	199.34	42.45
			For Mogul LB, Add	64.63	
			For Work In Restricted Working Space, Add	31.83	
			For Installation Above 14', Add	15.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.83	
26 05 33	13-2416	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	261.86	56.59
			For Mogul LB, Add	83.22	
			For Work In Restricted Working Space, Add	42.44	
			For Installation Above 14', Add	21.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.44	
26 05 33	13-2417	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	349.02	70.74
			For Mogul LB, Add	120.29	
			For Work In Restricted Working Space, Add	53.05	
			For Installation Above 14', Add	26.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.05	
26 05 33	13-2418	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	454.60	86.14
			For Mogul LB, Add	168.67	
			For Work In Restricted Working Space, Add	64.61	
			For Installation Above 14', Add	32.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 05 33	13-2419		Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2407)</small>		
26 05 33	13-2420	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	45.58	15.09
			For Mogul LB, Add	4.01	
			For Work In Restricted Working Space, Add	11.32	
			For Installation Above 14', Add	5.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	
26 05 33	13-2421	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.57	17.29
			For Mogul LB, Add	5.59	
			For Work In Restricted Working Space, Add	12.97	
			For Installation Above 14', Add	6.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 05 33	13-2422	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	65.51	20.12
			For Mogul LB, Add	8.89	
			For Work In Restricted Working Space, Add	15.09	
			For Installation Above 14', Add	7.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.09	
26 05 33	13-2423	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	79.63	22.95
			For Mogul LB, Add	13.83	
			For Work In Restricted Working Space, Add	17.21	
			For Installation Above 14', Add	8.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	
26 05 33	13-2424	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.43	25.15
			For Mogul LB, Add	19.02	
			For Work In Restricted Working Space, Add	18.86	
			For Installation Above 14', Add	9.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2425 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	125.03	30.18
For Mogul LB, Add	33.41	
For Work In Restricted Working Space, Add	22.64	
For Installation Above 14', Add	11.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.64	
26 05 33 13-2426 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	195.58	42.45
For Mogul LB, Add	61.81	
For Work In Restricted Working Space, Add	31.83	
For Installation Above 14', Add	15.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.83	
26 05 33 13-2427 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	249.22	56.59
For Mogul LB, Add	73.74	
For Work In Restricted Working Space, Add	42.44	
For Installation Above 14', Add	21.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.44	
26 05 33 13-2428 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	359.79	70.74
For Mogul LB, Add	128.37	
For Work In Restricted Working Space, Add	53.05	
For Installation Above 14', Add	26.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.05	
26 05 33 13-2429 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	476.62	86.14
For Mogul LB, Add	185.19	
For Work In Restricted Working Space, Add	64.61	
For Installation Above 14', Add	32.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 05 33 13-2430 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2407)</small>		
26 05 33 13-2431 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	52.52	17.29
For Work In Restricted Working Space, Add	12.97	
For Installation Above 14', Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 05 33 13-2432 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	62.26	20.12
For Work In Restricted Working Space, Add	15.09	
For Installation Above 14', Add	7.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.09	
26 05 33 13-2433 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	71.94	22.00
For Work In Restricted Working Space, Add	16.51	
For Installation Above 14', Add	8.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.51	
26 05 33 13-2434 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	88.53	25.15
For Work In Restricted Working Space, Add	18.86	
For Installation Above 14', Add	9.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33 13-2435 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	102.49	27.67
For Work In Restricted Working Space, Add	20.75	
For Installation Above 14', Add	10.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.75	
26 05 33 13-2436 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	137.96	32.38
For Work In Restricted Working Space, Add	24.29	
For Installation Above 14', Add	12.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.29	
26 05 33 13-2437 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	218.62	47.16
For Work In Restricted Working Space, Add	35.37	
For Installation Above 14', Add	17.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.37	
26 05 33 13-2438 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	282.39	61.30
For Work In Restricted Working Space, Add	45.98	
For Installation Above 14', Add	22.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.98	
26 05 33 13-2439 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	456.82	75.45
For Work In Restricted Working Space, Add	56.59	
For Installation Above 14', Add	28.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.59	
26 05 33 13-2440 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	522.43	90.86
For Work In Restricted Working Space, Add	68.14	
For Installation Above 14', Add	34.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.14	
26 05 33 13-2441 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2407)</small>		
26 05 33 13-2442 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	45.75	15.09
For Work In Restricted Working Space, Add	11.32	
For Installation Above 14', Add	5.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	
26 05 33 13-2443 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	52.98	17.29
For Work In Restricted Working Space, Add	12.97	
For Installation Above 14', Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 05 33 13-2444 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.04	19.81
For Work In Restricted Working Space, Add	14.85	
For Installation Above 14', Add	7.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2445	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	78.81	22.95
			<i>For Work In Restricted Working Space, Add</i>	17.21	
			<i>For Installation Above 14', Add</i>	8.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33	13-2446	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	88.39	25.15
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Installation Above 14', Add</i>	9.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33	13-2447	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	117.64	30.18
			<i>For Work In Restricted Working Space, Add</i>	22.64	
			<i>For Installation Above 14', Add</i>	11.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.64	
26 05 33	13-2448	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	192.42	42.45
			<i>For Work In Restricted Working Space, Add</i>	31.83	
			<i>For Installation Above 14', Add</i>	15.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.83	
26 05 33	13-2449	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	247.20	56.59
			<i>For Work In Restricted Working Space, Add</i>	42.44	
			<i>For Installation Above 14', Add</i>	21.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.44	
26 05 33	13-2450	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	353.31	70.74
			<i>For Work In Restricted Working Space, Add</i>	53.05	
			<i>For Installation Above 14', Add</i>	26.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.05	
26 05 33	13-2451	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	456.62	86.14
			<i>For Work In Restricted Working Space, Add</i>	64.61	
			<i>For Installation Above 14', Add</i>	32.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.61	
26 05 33	13-2452		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2407)</small>		
26 05 33	13-2453	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	60.91	19.81
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Installation Above 14', Add</i>	7.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33	13-2454	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	70.44	22.00
			<i>For Work In Restricted Working Space, Add</i>	16.51	
			<i>For Installation Above 14', Add</i>	8.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.51	
26 05 33	13-2455	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	86.60	24.21
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For Installation Above 14', Add</i>	9.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33	13-2456	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	99.87	27.67
			<i>For Work In Restricted Working Space, Add</i>	20.75	
			<i>For Installation Above 14', Add</i>	10.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.75	
26 05 33	13-2457	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	129.24	30.18
			<i>For Work In Restricted Working Space, Add</i>	22.64	
			<i>For Installation Above 14', Add</i>	11.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.64	
26 05 33	13-2458	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	156.17	37.09
			<i>For Work In Restricted Working Space, Add</i>	27.82	
			<i>For Installation Above 14', Add</i>	13.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.82	
26 05 33	13-2459	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	293.35	54.38
			<i>For Work In Restricted Working Space, Add</i>	40.79	
			<i>For Installation Above 14', Add</i>	20.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.79	
26 05 33	13-2460	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	361.21	70.74
			<i>For Work In Restricted Working Space, Add</i>	53.05	
			<i>For Installation Above 14', Add</i>	26.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.05	
26 05 33	13-2461	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	517.42	87.40
			<i>For Work In Restricted Working Space, Add</i>	66.02	
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.02	
26 05 33	13-2462	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	625.26	105.00
			<i>For Work In Restricted Working Space, Add</i>	78.75	
			<i>For Installation Above 14', Add</i>	39.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.75	
26 05 33	13-2463		Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2406)</small>		
26 05 33	13-2464		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2463)</small>		
26 05 33	13-2465	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	47.11	15.09
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Installation Above 14', Add</i>	5.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.32	
26 05 33	13-2466	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	54.74	17.29
			<i>For Work In Restricted Working Space, Add</i>	12.97	
			<i>For Installation Above 14', Add</i>	6.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2467 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.45	20.12
For Work In Restricted Working Space, Add	15.09	
For Installation Above 14', Add	7.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.09	
26 05 33 13-2468 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	88.14	22.95
For Work In Restricted Working Space, Add	17.21	
For Installation Above 14', Add	8.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	
26 05 33 13-2469 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	100.62	25.15
For Work In Restricted Working Space, Add	18.86	
For Installation Above 14', Add	9.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33 13-2470 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	138.63	30.18
For Work In Restricted Working Space, Add	22.64	
For Installation Above 14', Add	11.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.64	
26 05 33 13-2471 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	235.40	42.45
For Work In Restricted Working Space, Add	31.83	
For Installation Above 14', Add	15.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.83	
26 05 33 13-2472 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	334.35	56.59
For Work In Restricted Working Space, Add	42.44	
For Installation Above 14', Add	21.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.44	
26 05 33 13-2473 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	462.39	70.74
For Work In Restricted Working Space, Add	53.05	
For Installation Above 14', Add	26.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.05	
26 05 33 13-2474 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	553.02	86.14
For Work In Restricted Working Space, Add	64.61	
For Installation Above 14', Add	32.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 05 33 13-2475 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2463)</small>		
26 05 33 13-2476 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	49.28	15.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.32	
26 05 33 13-2477 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	55.38	17.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 05 33 13-2478 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	70.77	20.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.09	
26 05 33 13-2479 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	90.36	22.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.21	
26 05 33 13-2480 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	103.34	25.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 33 13-2481 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	133.05	30.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.64	
26 05 33 13-2482 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	204.39	42.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.83	
26 05 33 13-2483 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	278.60	56.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.44	
26 05 33 13-2484 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	495.22	70.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.05	
26 05 33 13-2485 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	577.23	86.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.61	
26 05 33 13-2486 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2463)</small>		
26 05 33 13-2487 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	58.73	17.29
For Work In Restricted Working Space, Add	12.97	
For Installation Above 14', Add	6.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 05 33 13-2488 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	69.22	20.12
For Work In Restricted Working Space, Add	15.33	
For Installation Above 14', Add	7.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.33	
26 05 33 13-2489 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	82.43	22.00
For Work In Restricted Working Space, Add	16.51	
For Installation Above 14', Add	8.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.51	
26 05 33 13-2490 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	104.56	25.15
For Work In Restricted Working Space, Add	18.63	
For Installation Above 14', Add	9.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.63	
26 05 33 13-2491 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	120.20	27.67
For Work In Restricted Working Space, Add	20.75	
For Installation Above 14', Add	10.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.75	
26 05 33 13-2492 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	160.91	32.38
For Work In Restricted Working Space, Add	24.29	
For Installation Above 14', Add	12.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.29	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2493	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	201.78	47.16
			<i>For Work In Restricted Working Space, Add</i>	35.37	
			<i>For Installation Above 14', Add</i>	17.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.37	
26 05 33	13-2494	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	292.67	61.30
			<i>For Work In Restricted Working Space, Add</i>	45.98	
			<i>For Installation Above 14', Add</i>	22.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.98	
26 05 33	13-2495	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	522.18	75.45
			<i>For Work In Restricted Working Space, Add</i>	56.59	
			<i>For Installation Above 14', Add</i>	28.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.59	
26 05 33	13-2496	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	602.91	90.86
			<i>For Work In Restricted Working Space, Add</i>	68.38	
			<i>For Installation Above 14', Add</i>	34.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.38	
26 05 33	13-2497		Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33</small>		
			<small>13-2493)</small>		
26 05 33	13-2498	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	47.27	15.09
			<i>For Work In Restricted Working Space, Add</i>	11.32	
			<i>For Installation Above 14', Add</i>	5.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.32	
26 05 33	13-2499	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	57.55	17.29
			<i>For Work In Restricted Working Space, Add</i>	12.97	
			<i>For Installation Above 14', Add</i>	6.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.97	
26 05 33	13-2500	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	67.44	19.81
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Installation Above 14', Add</i>	7.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33	13-2501	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	92.23	22.95
			<i>For Work In Restricted Working Space, Add</i>	17.21	
			<i>For Installation Above 14', Add</i>	8.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.21	
26 05 33	13-2502	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	108.30	25.15
			<i>For Work In Restricted Working Space, Add</i>	18.86	
			<i>For Installation Above 14', Add</i>	9.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.86	
26 05 33	13-2503	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	140.81	30.18
			<i>For Work In Restricted Working Space, Add</i>	22.64	
			<i>For Installation Above 14', Add</i>	11.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.64	
26 05 33	13-2504	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	311.29	79.62
			<i>For Work In Restricted Working Space, Add</i>	59.69	
			<i>For Installation Above 14', Add</i>	29.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.69	
26 05 33	13-2505	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	302.02	56.59
			<i>For Work In Restricted Working Space, Add</i>	42.44	
			<i>For Installation Above 14', Add</i>	21.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.44	
26 05 33	13-2506	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	495.22	70.74
			<i>For Work In Restricted Working Space, Add</i>	53.05	
			<i>For Installation Above 14', Add</i>	26.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.05	
26 05 33	13-2507	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	577.22	86.14
			<i>For Work In Restricted Working Space, Add</i>	64.60	
			<i>For Installation Above 14', Add</i>	32.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.60	
26 05 33	13-2508		Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33</small>		
			<small>13-2463)</small>		
26 05 33	13-2509	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	66.69	19.81
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Installation Above 14', Add</i>	7.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33	13-2510	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	72.84	22.00
			<i>For Work In Restricted Working Space, Add</i>	16.51	
			<i>For Installation Above 14', Add</i>	8.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.51	
26 05 33	13-2511	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	84.98	24.21
			<i>For Work In Restricted Working Space, Add</i>	18.16	
			<i>For Installation Above 14', Add</i>	9.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16	
26 05 33	13-2512	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	101.45	27.67
			<i>For Work In Restricted Working Space, Add</i>	20.75	
			<i>For Installation Above 14', Add</i>	10.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.75	
26 05 33	13-2513	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	117.59	30.18
			<i>For Work In Restricted Working Space, Add</i>	22.64	
			<i>For Installation Above 14', Add</i>	11.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2514 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	166.10 27.82 13.91 27.82	37.09
26 05 33 13-2515 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.94 40.79 20.40 40.79	54.38
26 05 33 13-2516 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	394.49 53.05 26.53 53.05	70.74
26 05 33 13-2517 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	594.86 65.55 32.77 65.55	87.40
26 05 33 13-2518 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.12 78.75 39.38 78.75	105.00
26 05 33 13-2519 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2406)</small>		
26 05 33 13-2520 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2519)</small>		
26 05 33 13-2521 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.09 4.48 2.24 4.48	5.97
26 05 33 13-2522 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.44 5.90 2.95 5.90	7.86
26 05 33 13-2523 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.17 7.31 3.65 7.31	9.74
26 05 33 13-2524 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.35 8.96 4.48 8.96	11.95
26 05 33 13-2525 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.57 10.38 5.19 10.38	13.83
26 05 33 13-2526 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.14 11.79 5.90 11.79	15.72
26 05 33 13-2527 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2519)</small>		
26 05 33 13-2528 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.31 4.48 2.24 4.48	5.97
26 05 33 13-2529 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.31 5.90 2.95 5.90	7.86
26 05 33 13-2530 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.18 7.31 3.65 7.31	9.74
26 05 33 13-2531 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.10 8.96 4.48 8.96	11.95
26 05 33 13-2532 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.60 10.38 5.19 10.38	13.83
26 05 33 13-2533 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.71 11.79 5.90 11.79	15.72
26 05 33 13-2534 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2519)</small>		
26 05 33 13-2535 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.91 5.90 2.95 5.90	7.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2536	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.15 7.31 3.65 7.31	9.74
26 05 33	13-2537	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.14 8.96 4.48 8.96	11.95
26 05 33	13-2538	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.99 10.85 5.42 10.85	13.83
26 05 33	13-2539	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.22 12.74 6.37 12.74	15.72
26 05 33	13-2540	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.94 14.62 7.31 14.62	17.60
26 05 33	13-2541		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2519)</small>		
26 05 33	13-2542	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.04 4.48 2.24 4.48	5.97
26 05 33	13-2543	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.21 5.90 2.95 5.90	7.86
26 05 33	13-2544	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.26 7.31 3.65 7.31	9.74
26 05 33	13-2545	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.65 8.96 4.48 8.96	11.95
26 05 33	13-2546	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.17 10.38 5.19 10.38	13.83
26 05 33	13-2547	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.02 11.79 5.90 11.79	15.72
26 05 33	13-2548		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-2406)</small>		
26 05 33	13-2549	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.65 12.92	17.21
26 05 33	13-2550	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.31 23.89	31.83
26 05 33	13-2551	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	633.75 48.45	64.60
26 05 33	13-2552		Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-2406)</small>		
26 05 33	13-2553		Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2552)</small>		
26 05 33	13-2554	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover.....	8.43	3.07
26 05 33	13-2555	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover.....	10.36	3.58
26 05 33	13-2556	EA	1" Replacement Stamped Aluminum Conduit Body Cover.....	13.26	4.60
26 05 33	13-2557	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover.....	16.14	5.62
26 05 33	13-2558	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	19.92	6.64
26 05 33	13-2559	EA	2" Replacement Stamped Aluminum Conduit Body Cover.....	23.69	7.66
26 05 33	13-2560	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	31.83	8.68
26 05 33	13-2561	EA	3" Replacement Stamped Aluminum Conduit Body Cover.....	40.71	12.26
26 05 33	13-2562	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	44.16	13.79
26 05 33	13-2563	EA	4" Replacement Stamped Aluminum Conduit Body Cover.....	55.66	17.37
26 05 33	13-2564		Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2552)</small>		
26 05 33	13-2565	EA	1/2" Replacement Cast Steel Conduit Body Cover.....	10.00	3.07
26 05 33	13-2566	EA	3/4" Replacement Cast Steel Conduit Body Cover.....	11.72	3.58
26 05 33	13-2567	EA	1" Replacement Cast Steel Conduit Body Cover.....	16.62	4.60
26 05 33	13-2568	EA	1-1/4" Replacement Cast Steel Conduit Body Cover.....	20.69	5.62
26 05 33	13-2569	EA	1-1/2" Replacement Cast Steel Conduit Body Cover.....	25.22	6.64
26 05 33	13-2570	EA	2" Replacement Cast Steel Conduit Body Cover.....	29.75	7.66
26 05 33	13-2571	EA	2-1/2" Replacement Cast Steel Conduit Body Cover.....	34.24	8.68
26 05 33	13-2572	EA	3" Replacement Cast Steel Conduit Body Cover.....	46.39	12.26



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-2573	EA	3-1/2" Replacement Cast Steel Conduit Body Cover.....	53.12	13.79
	26 05 33	13-2574	EA	4" Replacement Cast Steel Conduit Body Cover.....	66.99	17.37
26 05 33 13-2575	Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2552)					
	26 05 33	13-2576	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket.....	7.73	3.07
	26 05 33	13-2577	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket.....	8.79	3.58
	26 05 33	13-2578	EA	1" Replacement Velbuna Composition Conduit Body Gasket.....	11.51	4.60
	26 05 33	13-2579	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	15.09	5.62
	26 05 33	13-2580	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	17.13	6.64
	26 05 33	13-2581	EA	2" Replacement Velbuna Composition Conduit Body Gasket.....	20.47	7.66
	26 05 33	13-2582	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	27.42	8.68
	26 05 33	13-2583	EA	3" Replacement Velbuna Composition Conduit Body Gasket.....	35.20	12.26
	26 05 33	13-2584	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	38.95	13.79
	26 05 33	13-2585	EA	4" Replacement Velbuna Composition Conduit Body Gasket.....	46.03	17.37
26 05 33 13-2586	Replacement Neoprene Conduit Body Gasket (26 05 33 13-2552)					
	26 05 33	13-2587	EA	1/2" Replacement Neoprene Conduit Body Gasket.....	8.82	3.07
	26 05 33	13-2588	EA	3/4" Replacement Neoprene Conduit Body Gasket.....	9.83	3.58
	26 05 33	13-2589	EA	1" Replacement Neoprene Conduit Body Gasket.....	12.87	4.60
	26 05 33	13-2590	EA	1-1/4" Replacement Neoprene Conduit Body Gasket.....	15.78	5.62
	26 05 33	13-2591	EA	1-1/2" Replacement Neoprene Conduit Body Gasket.....	17.82	6.64
	26 05 33	13-2592	EA	2" Replacement Neoprene Conduit Body Gasket.....	20.54	7.66
	26 05 33	13-2593	EA	2-1/2" Replacement Neoprene Conduit Body Gasket.....	27.59	8.68
	26 05 33	13-2594	EA	3" Replacement Neoprene Conduit Body Gasket.....	35.37	12.26
	26 05 33	13-2595	EA	3-1/2" Replacement Neoprene Conduit Body Gasket.....	40.10	13.79
	26 05 33	13-2596	EA	4" Replacement Neoprene Conduit Body Gasket.....	47.18	17.37
26 05 33 16	Boxes For Electrical Systems (26 05 33)					
	See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.					
26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)					
	Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0122 for steel box/switch assemblies.					
26 05 33 16-0002	4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)					
	26 05 33	16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	27.69	12.90
				For Stud Bracket, Add	0.46	
	26 05 33	16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	28.54	12.90
				For Stud Bracket, Add	0.83	
	26 05 33	16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	31.49	12.90
				For Stud Bracket, Add	0.91	
	26 05 33	16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	21.40	8.60
	26 05 33	16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	18.42	8.60
	26 05 33	16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.50	4.30
	26 05 33	16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.64	4.30
	26 05 33	16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.74	4.30
	26 05 33	16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.05	4.30
	26 05 33	16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.15	4.30
	26 05 33	16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.17	4.30
	26 05 33	16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.89	4.30
	26 05 33	16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.98	4.30
	26 05 33	16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.11	4.30
	26 05 33	16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.15	4.30
	26 05 33	16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.36	4.30
	26 05 33	16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.69	4.30
	26 05 33	16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	10.39	4.30
	26 05 33	16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	11.24	4.30
	26 05 33	16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	9.87	4.30
	26 05 33	16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	9.95	4.30
	26 05 33	16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	9.85	4.30
	26 05 33	16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	10.08	4.30
	26 05 33	16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	10.26	4.30
	26 05 33	16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.60	4.30
	26 05 33	16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.23	4.30
	26 05 33	16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	12.60	4.30
	26 05 33	16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.23	4.30
	26 05 33	16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.78	4.30
	26 05 33	16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.60	4.30
	26 05 33	16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.60	4.30
	26 05 33	16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	9.20	4.30
26 05 33 16-0035	4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)					
	26 05 33	16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	30.86	12.90
	26 05 33	16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	28.92	12.90
				For Stud Bracket, Add	0.44	
	26 05 33	16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	38.66	12.90
	26 05 33	16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	22.21	8.60
	26 05 33	16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	22.68	8.60

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.44	4.30
26 05 33	16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.46	4.30
26 05 33	16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	12.29	4.30
26 05 33	16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.96	4.30
26 05 33	16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	11.88	4.30
26 05 33	16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.32	4.30
26 05 33	16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.10	4.30
26 05 33	16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.28	4.30
26 05 33	16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	12.29	4.30
26 05 33	16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.51	4.30
26 05 33	16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	13.76	4.30
26 05 33	16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.71	4.30
26 05 33	16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	11.94	4.30
26 05 33	16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	12.02	4.30
26 05 33	16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	14.31	4.30
26 05 33	16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	14.95	4.30
26 05 33	16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.12	4.30
26 05 33	16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	13.42	4.30
26 05 33	16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	15.75	4.30
26 05 33	16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.94	4.30
26 05 33	16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.94	4.30
26 05 33	16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	14.94	4.30
26 05 33	16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	9.73	4.30
26 05 33	16-0064		Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33	16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	13.79	6.45
26 05 33	16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	9.95	4.31
26 05 33	16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	15.86	6.45
26 05 33	16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	16.92	6.45
26 05 33	16-0069		4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33	16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	23.05	10.74
			For Stud Bracket, Add	1.13	
26 05 33	16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	23.80	10.74
26 05 33	16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	9.15	4.30
26 05 33	16-0073		4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
			Note: Placed in concrete slabs or walls.		
26 05 33	16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	37.77	
26 05 33	16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	40.06	
26 05 33	16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	41.91	
26 05 33	16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	43.74	
26 05 33	16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	47.53	
26 05 33	16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	51.43	
26 05 33	16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	54.54	
26 05 33	16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	10.19	4.30
26 05 33	16-0082		4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33	16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	33.67	10.74
26 05 33	16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	36.93	11.60
26 05 33	16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	44.16	12.90
26 05 33	16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	57.00	14.18
26 05 33	16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	83.21	15.47
26 05 33	16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	45.25	10.74
26 05 33	16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	49.27	11.60
26 05 33	16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	65.00	12.90
26 05 33	16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	82.91	14.18
26 05 33	16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	134.46	15.47
26 05 33	16-0093	EA	2 Device, Gang Box Mud Ring	14.62	4.30
26 05 33	16-0094	EA	3 Device, Gang Box Mud Ring	14.82	4.30
26 05 33	16-0095	EA	4 Device, Gang Box Mud Ring	17.05	4.30
26 05 33	16-0096	EA	5 Device, Gang Box Mud Ring	20.89	4.30
26 05 33	16-0097	EA	6 Device, Gang Box Mud Ring	29.31	4.30
26 05 33	16-0098	EA	2 Device, Gang Box Flat Cover	12.71	4.30
26 05 33	16-0099	EA	3 Device, Gang Box Flat Cover	14.80	4.30
26 05 33	16-0100	EA	4 Device, Gang Box Flat Cover	17.57	4.30
26 05 33	16-0101	EA	5 Device, Gang Box Flat Cover	21.10	4.30
26 05 33	16-0102	EA	6 Device, Gang Box Flat Cover	29.90	4.30
26 05 33	16-0103		Steel Switch Boxes (26 05 33 16-0001)		
26 05 33	16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	24.49	10.74
26 05 33	16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	24.81	10.74
26 05 33	16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	26.49	10.74
26 05 33	16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	30.24	10.74
26 05 33	16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	30.57	10.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	35.66	10.74
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box	22.96	10.74
<i>For Stud Bracket, Add</i>	<i>1.81</i>	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box	23.31	10.74
<i>For Stud Bracket, Add</i>	<i>0.78</i>	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box	24.08	10.74
<i>For Stud Bracket, Add</i>	<i>1.06</i>	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	15.00	6.44
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	14.66	6.44
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	5.06	2.14
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.12	2.14
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	4.80	2.14
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	4.82	2.14
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.48	2.14
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover	4.82	2.14
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	34.15	15.04
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	37.95	15.90
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	43.20	17.20
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	49.02	18.91
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0251 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	72.68	25.80
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	78.52	30.08
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box	92.57	36.54
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	91.05	34.38
Note: Two hub.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box	116.08	40.84
Note: Two hub.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	90.69	34.38
Note: Two hub.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box	109.00	40.84
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	92.97	34.38
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box	109.03	40.84
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	90.69	34.38
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box	106.22	40.84
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	108.25	42.98
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box	128.18	51.58
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	112.62	42.98
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box	144.84	51.58
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	115.47	42.98
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box	137.99	51.58
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	107.88	42.98
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box	139.92	51.58
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	137.20	51.58
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box	165.54	62.32
Note: Four hubs.		
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box	75.90	25.80
Note: One hub.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	87.45	30.08
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	102.87	36.54
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	96.93	34.38
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	112.03	40.84
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	134.68	49.44
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	120.05	40.84
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	154.34	51.58
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	87.10	27.94
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	96.65	32.24
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	112.41	38.68
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	105.84	36.54
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	120.38	42.98
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	96.76	27.94
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	105.73	32.24
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	120.38	36.54
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	135.74	42.98
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0251 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	64.08	21.50
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	73.52	25.80
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	82.12	32.24
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	60.33	21.50
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	76.16	25.80
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	81.64	30.08
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	98.13	36.54
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	123.04	45.14
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	88.16	30.08
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.96	36.54
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	84.45	30.08
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	97.17	36.54
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	82.06	30.08
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	97.17	36.54
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	76.53	30.08
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	103.05	36.54
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	97.54	38.68
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	118.54	47.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	103.27	38.68
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	138.39	47.28
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	102.79	38.68
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	126.09	47.28
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	127.79	47.28
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	125.34	47.28
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	153.04	58.03
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	70.73	21.50
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	84.74	25.80
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	97.54	32.24
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	90.81	25.80
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	90.24	30.08
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	108.69	36.54
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	122.05	45.14
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	110.09	36.54
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	134.95	47.28
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	84.33	23.64
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	96.68	27.94
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	104.34	34.38
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	105.73	32.24
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	108.52	38.68
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	133.98	47.28
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	84.26	23.64
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	97.59	27.94
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	107.81	32.24
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	122.42	38.68
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	107.81	32.24
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	122.42	38.68
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	113.22	34.38
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	127.29	40.84
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	128.01	30.08
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	143.04	36.54

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0228	Cast Aluminum Explosion Proof Outlet Bodies <small>(26 05 33 16-0127)</small>		
	Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	132.84	34.38
26 05 33 16-0230	EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	164.21	38.68
26 05 33 16-0231	EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	151.03	42.98
26 05 33 16-0232	EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	147.26	38.68
26 05 33 16-0233	EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	179.10	42.98
26 05 33 16-0234	Non Metallic (PVC) Boxes <small>(26 05 33 16)</small>		
	See CSI section 26 27 26 00-0251 for box covers.		
26 05 33 16-0235	Shallow, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0236	EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	43.32	18.05
26 05 33 16-0237	EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	49.55	21.07
26 05 33 16-0238	EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	56.69	25.58
26 05 33 16-0239	EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box	55.57	24.07
	Note: Two hubs.		
26 05 33 16-0240	EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box	65.34	28.58
	Note: Two hubs.		
26 05 33 16-0241	EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box	79.25	34.60
	Note: Two hubs.		
26 05 33 16-0242	EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	55.76	24.07
26 05 33 16-0243	EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	64.83	28.58
26 05 33 16-0244	EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	77.51	34.60
26 05 33 16-0245	EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	70.38	30.08
26 05 33 16-0246	EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	80.40	36.11
26 05 33 16-0247	EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	94.84	43.63
26 05 33 16-0248	Deep, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249	EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box	43.88	18.05
	Note: No hubs.		
26 05 33 16-0250	EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box	42.89	18.05
	Note: One hub.		
26 05 33 16-0251	EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box	50.89	21.07
	Note: One hub.		
26 05 33 16-0252	EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box	57.24	25.58
	Note: One hub.		
26 05 33 16-0253	EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	56.68	24.07
26 05 33 16-0254	EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box	63.90	28.58
	Note: Two hubs.		
26 05 33 16-0255	EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	76.43	34.60
26 05 33 16-0256	Shallow, Two Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257	EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	46.61	19.56
26 05 33 16-0258	EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	53.43	22.57
26 05 33 16-0259	EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	59.80	27.08
26 05 33 16-0260	EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	57.36	25.58
26 05 33 16-0261	EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	70.75	30.08
26 05 33 16-0262	EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	83.77	36.11
26 05 33 16-0263	EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	58.67	25.58
26 05 33 16-0264	EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	74.37	30.08
26 05 33 16-0265	EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	80.87	36.11
26 05 33 16-0266	EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	71.77	31.60
26 05 33 16-0267	EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	93.96	37.61
26 05 33 16-0268	EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	97.76	45.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0269		
Poke Thru Units <small>(26 05 33 16)</small>		
26 05 33 16-0270		
Surface Poke Thru Units <small>(26 05 33 16-0269)</small>		
<small>Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.</small>		
26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit.....	383.30	32.24
<small>Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.</small>		
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements	244.82	
<small>Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.</small>		
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit.....	33.90	8.60
<small>Note: Wiremold RC37REC.</small>		
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit.....	41.06	4.30
<small>Note: Wiremold RC3APTGBK.</small>		
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit	433.54	34.38
<small>Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.</small>		
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements	229.20	
<small>Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.</small>		
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit	58.14	12.90
<small>Note: Wiremold RC4REC2.</small>		
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit.....	41.06	4.30
<small>Note: Wiremold RC4APTGBK.</small>		
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit.....	119.72	8.60
<small>Note: Wiremold ABPLUG4.</small>		
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit.....	343.01	30.08
<small>Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.</small>		
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit	28.51	4.30
<small>Note: Wiremold RC9APTGBK.</small>		
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit.....	341.43	30.08
<small>Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.</small>		
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units	39.68	4.30
<small>Note: Includes two conduit connections for communication systems. Wiremold COM75.</small>		
26 05 33 16-0284		
Recessed Poke Thru Units <small>(26 05 33 16-0269)</small>		
<small>Note: Excludes concrete drilling.</small>		
26 05 33 16-0285		
Evolution 6AT Poke Thru Units <small>(26 05 33 16-0284)</small>		
<small>Note: Excludes concrete drilling.</small>		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP)	634.91	34.38
<small>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP).....	634.99	34.38
<small>Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC).....	605.05	34.38
<small>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT)	605.05	34.38
<small>Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA).....	634.91	34.38
<small>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA).....	634.91	34.38
<small>Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)	579.77	34.38
<small>Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.</small>		
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC).....	362.88	32.24
<small>Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.</small>		
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV)	389.30	32.24
<small>Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	391.91	32.24
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	110.62	17.20
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	256.20	8.60
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	256.20	8.60
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	212.89	8.60
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	30.75	2.14
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	14.88	4.30
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.23	4.30
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	14.81	4.30
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	14.86	4.30
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	14.76	4.30
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	17.48	4.30
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	17.28	4.30
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	17.71	4.30
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	14.53	4.30
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	14.54	4.30
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	14.34	4.30
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	14.34	4.30
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	34.77	6.44
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	13.11	4.30
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	13.44	4.30
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	110.09	7.74
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	17.07	4.30
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	17.80	4.30
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	18.32	4.30
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	28.02	8.60
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	32.05	10.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	35.41	10.74
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	26.88	8.60
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PETHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	17.68	4.30
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	17.68	4.30
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	18.64	4.30
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PETHA, and 1BLH plates.	19.30	4.30
26 05 33 16-0328 Evolution 8AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	833.56	34.38
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	793.26	34.38
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.67	34.38
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	778.48	34.38
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	469.51	32.24
26 05 33 16-0334 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	526.28	32.24
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	132.78	17.20
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	277.11	8.60
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	277.11	8.60
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	47.98	2.14
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	15.39	4.30
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.48	4.30
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	15.58	4.30
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.09	4.30
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	21.97	4.30
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	21.94	4.30
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	14.91	4.30
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	15.11	4.30
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.91	4.30
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.91	4.30

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP).....	21.62	4.30
Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP).....	17.98	4.30
Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV).....	20.77	4.30
Note: Divider allows for separation of services when required.		
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA).....	28.02	8.60
Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001**Duct Bank (26 05 43)**

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

26 05 43 00-0002**Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank.....	18.55
26 05 43 00-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank.....	37.11
26 05 43 00-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank.....	37.56
26 05 43 00-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank.....	75.30
26 05 43 00-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank.....	55.13
26 05 43 00-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank.....	111.07
26 05 43 00-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank.....	167.44
26 05 43 00-0010 LF 2 At 5", Rigid Galvanized Conduit Duct Bank.....	99.21
26 05 43 00-0011 LF 4 At 5", Rigid Galvanized Conduit Duct Bank.....	197.62
26 05 43 00-0012 LF 6 At 5", Rigid Galvanized Conduit Duct Bank.....	306.11
26 05 43 00-0013 LF 2 At 6", Rigid Galvanized Conduit Duct Bank.....	141.42
26 05 43 00-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank.....	283.81
26 05 43 00-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank.....	420.95

26 05 43 00-0016**Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.31
26 05 43 00-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.72
26 05 43 00-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	22.45
26 05 43 00-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	7.02
26 05 43 00-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.01
26 05 43 00-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	28.48
26 05 43 00-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.29
26 05 43 00-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.59
26 05 43 00-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	37.20
26 05 43 00-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	55.79
26 05 43 00-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.60
26 05 43 00-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.18
26 05 43 00-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	44.77
26 05 43 00-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	63.21
26 05 43 00-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	20.93
26 05 43 00-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	31.26
26 05 43 00-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	62.67
26 05 43 00-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	101.90

26 05 43 00-0035**Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)**

Note: Includes appropriate spacers and fittings.

26 05 43 00-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	5.89
26 05 43 00-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	12.94
26 05 43 00-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	24.71
26 05 43 00-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	7.25
26 05 43 00-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	14.49
26 05 43 00-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	28.90
26 05 43 00-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	9.46
26 05 43 00-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	18.93
26 05 43 00-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	37.88
26 05 43 00-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	56.80
26 05 43 00-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	11.85
26 05 43 00-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	23.69
26 05 43 00-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	45.79
26 05 43 00-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	64.74
26 05 43 00-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	21.28
26 05 43 00-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	31.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	64.14	
26 05 43 00-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	104.10	
26 05 43 00-0054 Male Or Female Adapters <small>(26 05 43 00-0001)</small>		
26 05 43 00-0055 EA 2" Adapter	28.90	
26 05 43 00-0056 EA 3" Adapter	40.66	
26 05 43 00-0057 EA 4" Adapter	52.19	
26 05 43 00-0058 EA 5" Adapter	76.83	
26 05 43 00-0059 EA 6" Adapter	95.72	
26 05 46 Utility Poles for Electrical Systems <small>(26 05)</small>		
26 05 46 00-0001 Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small>		
Note: Machine dig and set.		
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	701.28	223.71
For Class 1 Pole, Add	88.83	
For Class 2 Pole, Add	50.76	
For Class 4 Pole, Deduct	-25.38	
For Class 5 Pole, Deduct	-76.14	
For Class 6 Pole, Deduct	-101.52	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	841.00	248.20
For Class 1 Pole, Add	120.60	
For Class 2 Pole, Add	68.91	
For Class 4 Pole, Deduct	-34.46	
For Class 5 Pole, Deduct	-103.37	
For Class 6 Pole, Deduct	-137.83	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,089.73	328.26
For Class 1 Pole, Add	151.65	
For Class 2 Pole, Add	86.66	
For Class 4 Pole, Deduct	-43.33	
For Class 5 Pole, Deduct	-129.99	
For Class 6 Pole, Deduct	-173.32	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,248.23	361.05
For Class 1 Pole, Add	184.15	
For Class 2 Pole, Add	105.23	
For Class 4 Pole, Deduct	-52.61	
For Class 5 Pole, Deduct	-157.84	
For Class 6 Pole, Deduct	-210.46	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,427.47	402.13
For Class 1 Pole, Add	218.09	
For Class 2 Pole, Add	124.62	
For Class 4 Pole, Deduct	-62.31	
For Class 5 Pole, Deduct	-186.94	
For Class 6 Pole, Deduct	-249.25	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,624.77	451.32
For Class 1 Pole, Add	252.76	
For Class 2 Pole, Add	144.43	
For Class 4 Pole, Deduct	-72.22	
For Class 5 Pole, Deduct	-216.65	
For Class 6 Pole, Deduct	-288.86	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,818.19	496.40
For Class 1 Pole, Add	288.86	
For Class 2 Pole, Add	165.06	
For Class 4 Pole, Deduct	-82.53	
For Class 5 Pole, Deduct	-247.60	
For Class 6 Pole, Deduct	-330.13	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,032.68	545.87
For Class 1 Pole, Add	329.30	
For Class 2 Pole, Add	188.17	
For Class 4 Pole, Deduct	-94.09	
For Class 5 Pole, Deduct	-282.26	
For Class 6 Pole, Deduct	-376.35	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,357.87	594.96
For Class 1 Pole, Add	758.77	
For Class 2 Pole, Add	433.58	
For Class 4 Pole, Deduct	-216.79	
For Class 5 Pole, Deduct	-650.38	
For Class 6 Pole, Deduct	-867.17	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,689.47	632.89
For Class 1 Pole, Add	848.28	
For Class 2 Pole, Add	484.73	
For Class 4 Pole, Deduct	-242.37	
For Class 5 Pole, Deduct	-727.10	
For Class 6 Pole, Deduct	-969.46	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,057.53	675.98
For Class 1 Pole, Add	946.94	
For Class 2 Pole, Add	541.11	
For Class 4 Pole, Deduct	-270.55	
For Class 5 Pole, Deduct	-811.66	
For Class 6 Pole, Deduct	-1,082.22	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015 LF Remove And Relocate Wood Pole With Cross Arms, Up To 75'.....	19.07	
26 05 46 00-0016 Crossarms <small>(26 05 46)</small> Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	152.81	66.72
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	185.79	66.72
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	195.64	85.79
26 05 46 00-0021 Wood Double Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	397.25	185.86
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	421.96	185.86
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	440.33	185.86
26 05 46 00-0025 Fiberglass Crossarms <small>(26 05 46 00-0016)</small> Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	176.94	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	224.59	40.03
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	234.13	42.89
26 05 46 00-0030 Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	280.39	51.47
26 05 46 00-0032 Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	398.86	65.77
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	474.62	80.06
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	69.36	11.44
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket.....	346.83	57.19
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm	284.34	95.32
26 05 46 00-0038 Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	85.53	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	67.54	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	175.78	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	132.55	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	57.95	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	49.16	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting.....	157.40	
26 05 46 00-0048 Guying <small>(26 05 46)</small> Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole	631.60	266.88
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole	641.04	266.88
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole	660.45	266.88
26 05 46 00-0053 EA Guy Guard, Plastic.....	22.21	
26 05 46 00-0054 Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole.....	923.99	409.86
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole.....	923.99	409.86
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole.....	923.99	409.86
26 05 46 00-0058 Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small> Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	403.09	200.16
26 05 46 00-0060 Insulators <small>(26 05 46)</small>		
26 05 46 00-0061 Pin Insulator With Pin <small>(26 05 46 00-0060)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0062 EA 5 KV Class 55-3, Pin Insulator With Pin.....	128.17	57.19
26 05 46 00-0063 EA 15 KV Class 55-5, Pin Insulator With Pin.....	132.00	57.19
26 05 46 00-0064 Suspension Insulator (26 05 46 00-0060)		
Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	162.94	76.25
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	173.36	76.25
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	243.61	95.32
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	386.43	152.51
26 05 46 00-0069 Spool Insulator With Clevis (26 05 46 00-0060)		
26 05 46 00-0070 EA 5 KV Class 53-5, Spool Insulator With Clevis.....	54.25	23.83
26 05 46 00-0071 EA 15 KV Class, Spool Insulator With Clevis.....	174.07	85.79
26 05 46 00-0072 EA 25 KV Class, Spool Insulator With Clevis.....	225.71	85.79
26 05 46 00-0073 Secondary Rack (26 05 46 00-0060)		
26 05 46 00-0074 EA 1 Spool Secondary Rack.....	107.76	47.65
26 05 46 00-0075 EA 2 Spool Secondary Rack.....	111.12	60.81
26 05 46 00-0076 EA 3 Spool Secondary Rack.....	166.37	81.02
26 05 46 00-0077 EA 4 Spool Secondary Rack.....	186.93	81.02
26 05 46 00-0078 Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079 7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0080 EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	2,738.02	324.07
26 05 46 00-0081 EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,261.73	324.07
26 05 46 00-0082 EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	7,827.17	548.06
26 05 46 00-0083 EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,024.25	548.06
26 05 46 00-0084 14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0085 EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	3,316.57	324.07
26 05 46 00-0086 EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,190.23	324.07
26 05 46 00-0087 EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	7,827.17	548.06
26 05 46 00-0088 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,024.25	548.06
26 05 46 00-0089 23 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0090 EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	3,665.54	376.49
26 05 46 00-0091 EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,780.54	376.49
26 05 46 00-0092 EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,212.23	648.15
26 05 46 00-0093 EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	8,415.78	648.15
26 05 46 00-0094 Square Distribution Poles (26 05 46)		
26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole.....	2,124.56	405.09
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole.....	2,377.00	428.92
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole.....	2,583.38	476.58
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole.....	2,857.14	524.23
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole.....	3,818.20	571.90
26 05 46 00-0101 Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution.....	2,442.77	716.35
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution.....	2,706.18	785.67
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution.....	3,134.78	878.10
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution.....	3,520.93	970.54
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution.....	4,224.43	1,178.50
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution.....	4,953.48	1,386.48
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution.....	5,793.04	1,571.34
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution.....	7,025.78	1,941.07
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution.....	7,838.81	2,125.93
26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	2,252.00	357.43
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,134.64	381.26
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,603.86	428.92
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,271.05	476.58
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,441.20	524.23

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0118 Steel Service Poles Distribution <small>(26 05 46)</small>		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119 Round Tapered Pole <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution	3,163.08	571.90
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution	3,665.66	619.55
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution	3,907.14	667.20
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution	4,596.38	762.52
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution	5,666.23	857.83
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution	6,702.93	1,086.07
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution	7,466.73	1,232.12
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution	8,256.42	1,386.48
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution	9,271.00	1,571.34
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution	9,904.99	1,663.77
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution	10,758.22	1,848.64
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution	11,838.58	2,079.72
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution	13,083.81	2,357.01
26 05 46 00-0133 12 Sided Tapered <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,327.56	571.90
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,877.04	619.55
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,504.63	667.20
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,152.87	762.52
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,474.67	857.83
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,534.78	1,086.07
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,199.48	1,232.12
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,138.35	1,386.48
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,146.80	1,571.34
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,988.78	1,663.77
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,009.08	1,848.64
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,071.92	2,079.72
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,358.07	2,357.01
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,730.77	2,634.31
26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0149 EA Ladder Clips.....	12.30	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	92.32	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line.....	92.85	
26 05 46 00-0152 Arms With Baseplates And Endplates <small>(26 05 46 00-0118)</small>		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate	465.19	95.32
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate	502.41	95.32
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate	635.69	142.97
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate	668.26	142.97
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate	800.08	190.63
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate	837.29	190.63
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate	1,104.82	238.29
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate	1,146.58	238.29
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle <small>(26 05 46 00-0118)</small>		
26 05 46 00-0162 EA 15,000 LB Standard Vangs Load Bearing At Any Angle	221.33	95.32
26 05 46 00-0163 EA 30,000 LB Standard Vangs Load Bearing At Any Angle	244.14	95.32
26 05 46 00-0164 EA 45,000 LB Standard Vangs Load Bearing At Any Angle	275.33	95.32
26 05 46 00-0165 Armless Construction Brackets <small>(26 05 46 00-0118)</small>		
26 05 46 00-0166 Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0165)</small>		
26 05 46 00-0167 EA 7" 1 Position Vertical Insulation And Equipment Bracket	225.05	95.32
26 05 46 00-0168 EA 12" 1 Position Vertical Insulation And Equipment Bracket	239.45	95.32
26 05 46 00-0169 EA 12" 3 Position Vertical Insulation And Equipment Bracket	262.85	95.32
26 05 46 00-0170 EA 18" 1 Position Vertical Insulation And Equipment Bracket	373.60	142.97
26 05 46 00-0171 EA 18" 3 Position Vertical Insulation And Equipment Bracket	387.26	142.97
26 05 46 00-0172 Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0165)</small>		
26 05 46 00-0173 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	213.84	95.32
26 05 46 00-0174 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	244.10	95.32
26 05 46 00-0175 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	358.94	142.97
26 05 46 00-0176 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	430.36	142.97
26 05 46 00-0177 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	555.30	190.63
26 05 46 00-0178 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	593.21	190.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0179 Pole Top Bracket And Pins <small>(26 05 46 00-0165)</small>		
26 05 46 00-0180 EA Pole Top Pin - 5"	218.23	95.32
26 05 46 00-0181 EA Pole Top Bracket - 5"	225.58	95.32
26 05 46 00-0182 Angle Pins <small>(26 05 46 00-0165)</small>		
26 05 46 00-0183 EA Angle Pin - 25 Degree, 6"	217.24	95.32
26 05 46 00-0184 EA Angle Pin - 25 Degree, 7 1/4"	241.10	95.32
26 05 46 00-0185 Static And Neutral Wire Brackets <small>(26 05 46 00-0165)</small>		
26 05 46 00-0186 EA Neutral Wire Extension Bracket	226.64	95.32
26 05 46 00-0187 EA Static Wire Support Bracket	229.22	95.32
26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets <small>(26 05 46 00-0165)</small>		
26 05 46 00-0189 EA Cutout And Arrestor, With Mounting Bracket	208.94	95.32
26 05 46 00-0190 EA Equipment Mounting T Bracket	220.93	95.32
26 05 46 00-0191 EA 15 KV Cutout	275.79	
26 05 46 00-0192 EA 9/10 KV Arrestor	258.93	95.32
26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket <small>(26 05 46 00-0165)</small>		
26 05 46 00-0194 EA Parallel Cable Spacer	245.17	95.32
26 05 46 00-0195 EA Conduit Standoff Support Bracket	236.93	95.32
26 05 46 00-0196 EA Three Transformer Pole Mounted Cluster Bracket	522.67	95.32
26 05 46 00-0197 15 KV 200 Amp Solenoid Operated High Voltage Switch <small>(26 05 46 00-0165)</small>		
Note: Includes pole mounting bracket.		
26 05 46 00-0198 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,219.41	238.29
26 05 46 00-0199 Octagonal Tapered <small>(26 05 46 00-0118)</small>		
26 05 46 00-0200 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,488.44	571.90
26 05 46 00-0201 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,055.47	619.55
26 05 46 00-0202 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,703.53	667.20
26 05 46 00-0203 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,369.32	810.18
26 05 46 00-0204 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	9,773.02	857.83
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	10,856.54	1,086.07
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,573.89	1,155.39
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,537.62	1,386.48
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,569.46	1,478.90
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,436.32	1,663.77
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,519.51	1,756.20
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,608.68	2,079.72
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	19,921.15	2,218.36
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,323.09	2,495.66
26 05 46 00-0214 Removal And Relocation Of Steel Service Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	33.35	
26 05 46 00-0216 Special Steel Bases For Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0217 EA Spin-In Steel Base For Poles	170.92	
26 05 46 00-0218 EA Series 3, 25' Pole And less	186.86	47.65
26 05 46 00-0219 EA Series 4, 40' Pole And less	221.50	54.80
26 05 46 00-0220 EA Series 5, 50' Pole And less	251.37	59.57
26 05 46 00-0221 Primary Fuse Cutouts <small>(26 05 46)</small>		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222 Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0221)</small>		
Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 05 46 00-0222)</small>		
26 05 46 00-0224 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	457.62	238.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	114.38	
26 05 46 00-0225 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	552.94	238.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	142.97	
26 05 46 00-0226 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	647.93	238.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	171.47	
26 05 46 00-0227 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	655.38	238.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	171.57	
26 05 46 00-0228 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	655.38	238.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	171.57	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0230 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....457.62		190.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0232 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....467.25		190.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0233 Fuseholders (26 05 46 00-0222)		
Note: Including current limiting fuse.		
26 05 46 00-0234 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....417.03		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0235 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....512.35		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.97	
26 05 46 00-0236 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....607.34		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.47	
26 05 46 00-0237 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....420.36		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0238 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....515.68		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.97	
26 05 46 00-0239 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....417.03		190.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0240 Accessories (26 05 46 00-0222)		
26 05 46 00-0241 EA Hot Line Clamp .....57.59		21.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.30	
26 05 46 00-0242 EA Stirrup .....60.64		21.45
26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0245 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....532.60		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0246 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....627.92		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.97	
26 05 46 00-0247 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....722.91		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.47	
26 05 46 00-0248 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....737.35		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.57	
26 05 46 00-0249 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....737.35		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.57	
26 05 46 00-0250 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0251 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....532.60		190.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0252 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0253 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....532.60		190.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0254 Fuseholders (26 05 46 00-0243)		
Note: Includes current limiting fuses.		
26 05 46 00-0255 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....420.47		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0256 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....515.79		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.97	
26 05 46 00-0257 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....610.78		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.47	
26 05 46 00-0258 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....420.47		238.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114.38	
26 05 46 00-0259 Pole Mounted Capacitors (26 05 46 00-0243)		
26 05 46 00-0260 EA Capacitors - Pole Mounted 6 KVAR .....811.69		192.15
26 05 46 00-0261 Pole Structure Assemblies (26 05 46 00-0221)		
26 05 46 00-0262 5 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....374.81		181.10
26 05 46 00-0264 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....628.18		305.01
26 05 46 00-0265 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....614.45		238.29
26 05 46 00-0266 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....334.96		123.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0267 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	440.84	171.56
26 05 46 00-0268 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	812.90	343.13
26 05 46 00-0269 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	625.02	257.35
26 05 46 00-0270 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,191.68	514.70
26 05 46 00-0271 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,346.55	581.43
26 05 46 00-0272 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	709.75	285.95
26 05 46 00-0273 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	658.45	305.01
26 05 46 00-0274 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,281.95	619.55
26 05 46 00-0275 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	884.57	371.73
26 05 46 00-0276 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	583.19	266.88
26 05 46 00-0277 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,141.74	543.30
26 05 46 00-0278 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	805.99	276.41
26 05 46 00-0279	15 KV Pole Structure Assemblies (26 05 46 00-0261)	
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	384.44	181.10
26 05 46 00-0281 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	641.94	305.01
26 05 46 00-0282 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	661.22	238.29
26 05 46 00-0283 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	351.47	123.91
26 05 46 00-0284 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	464.23	162.04
26 05 46 00-0285 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	859.67	343.13
26 05 46 00-0286 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	659.42	257.35
26 05 46 00-0287 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,261.84	514.70
26 05 46 00-0288 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,441.48	581.43
26 05 46 00-0289 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	756.52	285.95
26 05 46 00-0290 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	676.33	305.01
26 05 46 00-0291 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,299.83	619.55
26 05 46 00-0292 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	920.34	371.73
26 05 46 00-0293 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	601.07	257.35
26 05 46 00-0294 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,159.62	543.30
26 05 46 00-0295 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	841.76	333.60
26 05 46 00-0296	25 KV Pole Structure Assemblies (26 05 46 00-0261)	
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	920.25	285.95
26 05 46 00-0298 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	534.05	142.97
26 05 46 00-0299 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	780.61	219.23
26 05 46 00-0300 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,170.50	447.98
26 05 46 00-0301 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,031.57	333.60
26 05 46 00-0302 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,787.53	657.67
26 05 46 00-0303 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,808.97	743.46
26 05 46 00-0304 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,199.51	433.69
26 05 46 00-0305 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,072.35	433.69
26 05 46 00-0306	50 KV Pole Structure Assemblies (26 05 46 00-0261)	
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,236.96	390.79
26 05 46 00-0308 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	658.42	200.16
26 05 46 00-0309 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	900.96	314.54
26 05 46 00-0310 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,730.39	638.62
26 05 46 00-0311 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,316.36	476.58
26 05 46 00-0312 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,565.31	953.15
26 05 46 00-0313 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,968.37	1,058.00
26 05 46 00-0314 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,488.85	514.70
26 05 46 00-0315 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,575.29	595.72
26 05 46 00-0316 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,505.21	562.36
26 05 46 00-0317	Overhead To Underground Conversion Structures (26 05 46 00-0221)	
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0318	5 KV Structures (26 05 46 00-0317)	
Note: Excludes pole.		
26 05 46 00-0319 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,441.50	1,906.30
26 05 46 00-0320 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,441.50	1,906.30
26 05 46 00-0321 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,441.50	1,906.30
26 05 46 00-0322 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,441.50	1,906.30
26 05 46 00-0323	15 KV Structures (26 05 46 00-0317)	
Note: Excludes pole.		
26 05 46 00-0324 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,506.23	1,906.30
26 05 46 00-0325 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,506.23	1,906.30
26 05 46 00-0326 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,506.23	1,906.30
26 05 46 00-0327 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,506.23	1,906.30

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0328			25 KV Structures <small>(26 05 46 00-0317)</small> Note: Excludes pole.		
26 05 46 00-0329	EA		(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,576.85	1,906.30
26 05 46 00-0330	EA		(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,576.85	1,906.30
26 05 46 00-0331	EA		(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,576.85	1,906.30
26 05 46 00-0332	EA		(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,576.85	1,906.30
26 05 46 00-0333			Transformer Stations <small>(26 05 46 00-0221)</small> Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0334			5 KV Station <small>(26 05 46 00-0333)</small>		
26 05 46 00-0335	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	4,683.59	2,541.10
26 05 46 00-0336	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,260.21	2,859.46
26 05 46 00-0337	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,836.83	3,176.86
26 05 46 00-0338	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	5,836.83	3,176.86
26 05 46 00-0339	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	4,683.59	2,541.10
26 05 46 00-0340			15 KV Stations <small>(26 05 46 00-0333)</small>		
26 05 46 00-0341	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	4,748.33	2,540.39
26 05 46 00-0342	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,324.95	2,859.46
26 05 46 00-0343	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,901.56	3,176.86
26 05 46 00-0344	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	5,901.56	3,176.86
26 05 46 00-0345	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	4,748.33	2,541.10
26 05 46 00-0346			25 KV Stations <small>(26 05 46 00-0333)</small>		
26 05 46 00-0347	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	4,818.95	2,541.10
26 05 46 00-0348	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	5,395.57	2,859.46
26 05 46 00-0349	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,972.18	3,176.86
26 05 46 00-0350	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	5,972.18	3,176.86
26 05 46 00-0351	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	4,818.95	2,541.10

26 05 53 Identification for Electrical Systems (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive** (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA		1/2" Outside Diameter Pressure Sensitive Marker Stick-on	9.24	
26 05 53 00-0003	EA		3/4" Outside Diameter Pressure Sensitive Marker Stick-on	9.67	
26 05 53 00-0004	EA		1" Outside Diameter Pressure Sensitive Marker Stick-on	10.53	
26 05 53 00-0005	EA		1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	10.70	
26 05 53 00-0006	EA		1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	10.87	
26 05 53 00-0007	EA		2" Outside Diameter Pressure Sensitive Marker Stick-on	11.13	
26 05 53 00-0008	EA		2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.82	
26 05 53 00-0009	EA		3" Outside Diameter Pressure Sensitive Marker Stick-on	13.16	
26 05 53 00-0010	EA		3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.41	
26 05 53 00-0011	EA		4" Outside Diameter Pressure Sensitive Marker Stick-on	13.67	
26 05 53 00-0012	EA		4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.21	
26 05 53 00-0013	EA		5" Outside Diameter Pressure Sensitive Marker Stick-on	14.79	
26 05 53 00-0014	EA		6" Outside Diameter Pressure Sensitive Marker Stick-on	15.29	
26 05 53 00-0015	EA		7" Outside Diameter Pressure Sensitive Marker Stick-on	15.81	
26 05 53 00-0016	EA		8" Outside Diameter Pressure Sensitive Marker Stick-on	17.20	
26 05 53 00-0017	EA		10" Outside Diameter Pressure Sensitive Marker Stick-on	18.14	

26 05 53 00-0018 Labeling Electrical Wires (26 05 53)

26 05 53 00-0019	EA		Labeling Wire	1.84	
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26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors** (26 05 83)

26 05 83 00-0002	EA		#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	10.77	3.87
26 05 83 00-0003	EA		#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	11.74	4.30
26 05 83 00-0004	EA		#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	12.59	4.73
26 05 83 00-0005	EA		1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	14.41	5.16
26 05 83 00-0006	EA		2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	15.52	5.59
26 05 83 00-0007	EA		3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	17.15	6.01
26 05 83 00-0008	EA		4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	18.36	6.44
26 05 83 00-0009	EA		250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	19.96	6.87
26 05 83 00-0010	EA		300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	22.11	7.74
26 05 83 00-0011	EA		350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	23.23	8.17
26 05 83 00-0012	EA		400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	25.61	8.60
26 05 83 00-0013	EA		500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	27.70	9.03
26 05 83 00-0014	EA		750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	30.85	9.89
26 05 83 00-0015	EA		1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts	35.65	11.17



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0016 One Hole Compression Lugs ^(26 05 83)			
26 05 83 00-0017	EA #22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	14.60	11.17
26 05 83 00-0018	EA #16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	14.68	11.17
26 05 83 00-0019	EA #12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	16.58	12.04
26 05 83 00-0020	EA #8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	20.28	13.33
26 05 83 00-0021	EA #6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	28.63	17.20
26 05 83 00-0022	EA #4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	33.68	17.20
26 05 83 00-0023	EA #2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	38.75	17.20
26 05 83 00-0024	EA 1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	47.87	25.80
26 05 83 00-0025	EA 2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	56.22	25.80
26 05 83 00-0026	EA 3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	65.83	25.80
26 05 83 00-0027	EA 4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	79.43	34.38
26 05 83 00-0028	EA 250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	94.23	51.58
26 05 83 00-0029	EA 300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	107.77	51.58
26 05 83 00-0030	EA 350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	115.88	51.58
26 05 83 00-0031	EA 400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	126.07	60.18
26 05 83 00-0032	EA 500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	137.78	60.18
26 05 83 00-0033	EA 750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	149.80	68.78
26 05 83 00-0034	EA 1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	175.38	77.38
26 05 83 00-0035 Two Hole Compression Lugs ^(26 05 83)			
26 05 83 00-0036	EA #8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	29.67	14.61
26 05 83 00-0037	EA #6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	31.80	15.56
26 05 83 00-0038	EA #4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	33.59	15.56
26 05 83 00-0039	EA #2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	38.64	17.88
26 05 83 00-0040	EA 1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	47.76	22.35
26 05 83 00-0041	EA 2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	56.10	26.57
26 05 83 00-0042	EA 3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	65.69	31.12
26 05 83 00-0043	EA 4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	79.28	37.74
26 05 83 00-0044	EA 250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	94.05	44.79
26 05 83 00-0045	EA 300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	107.57	51.15
26 05 83 00-0046	EA 350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	115.67	55.11
26 05 83 00-0047	EA 400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	125.82	59.66
26 05 83 00-0048	EA 500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	137.49	65.16
26 05 83 00-0049	EA 750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	150.05	70.66
26 05 83 00-0050	EA 1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	185.06	85.97
26 05 83 00-0051 Tape Wrapped Split Bolt Connectors ^(26 05 83)			
26 05 83 00-0052	EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	44.73	34.38
26 05 83 00-0053	EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	49.19	36.97
26 05 83 00-0054	EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	56.05	38.68
26 05 83 00-0055	EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	64.87	42.98
26 05 83 00-0056	EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	76.37	47.28
26 05 83 00-0057	EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	85.00	51.58
26 05 83 00-0058	EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	106.01	55.88
26 05 83 00-0059	EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	113.69	60.18
26 05 83 00-0060	EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	119.75	64.48
26 05 83 00-0061	EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	135.70	70.92
26 05 83 00-0062	EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	151.65	103.16
26 05 83 00-0063	EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	165.77	85.97
26 05 83 00-0064	EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	179.90	116.06
26 05 83 00-0065	EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	197.94	120.36
26 05 83 00-0066	EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	222.44	128.96
26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone ^(26 05 83)			
26 05 83 00-0068	EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	61.39	34.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 83 00-0069	EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	70.77	34.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.47	
26 05 83 00-0070	EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	98.07	51.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.66	
26 05 83 00-0071	EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	116.45	51.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.07	
26 05 83 00-0072	EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	139.40	64.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.08	
26 05 83 00-0073	EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	192.67	85.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.73	
26 05 83 00-0074 Terminal Blocks ^(26 05 83)			
	Note: Labor excludes wire termination.		
26 05 83 00-0075	EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	730.51	318.09
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.04	
26 05 83 00-0076	EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	171.38	43.05
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.39 26.36	43.05
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	29.66	15.56
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	31.80	15.56
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	33.59	15.56
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	38.64	17.88
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	47.75	22.35
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	56.10	26.57
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	65.69	31.12
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	79.28	37.74
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	94.05	44.79
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	107.57	51.15
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	115.67	55.11
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	125.82	59.66
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	137.49	65.16
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	137.75	65.16
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	29.66	15.56
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	31.80	15.56
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	33.59	15.56
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	38.64	17.88
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	47.75	22.35
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	56.10	26.57
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	65.69	31.12
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	79.28	37.74
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	94.05	44.79
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	107.57	51.15
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	115.67	55.11
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	125.82	59.66
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	137.49	65.16
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	137.75	65.16
26 05 83 00-0107 Copper Mechanical Lugs <small>(26 05 83)</small>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.45 6.45	10.74
26 05 83 00-0109 EA #6 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.19 7.79	12.98
26 05 83 00-0110 EA #4 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.60 9.03	15.04
26 05 83 00-0111 EA #2 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.32 11.51	19.17
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.96 15.47	25.80
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.38 17.98	29.91
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.37 20.63	34.38
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.82 23.14	38.60
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.92 25.79	42.98
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.81 28.38	47.28
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.64 30.95	51.58
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.39 33.50	55.88
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.35 36.11	60.18
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.38 41.14	68.52
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.46 46.42	77.38
26 05 83 00-0123 Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit..... Note: Kit contains connector, gel filled cap and cap clamp. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.25 2.58	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.54 3.10	
26 05 83 00-0126 Other Connections <small>(26 05 83)</small>		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39 2.36	3.93
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.44 2.36	3.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.50 2.36	3.93
26 05 83 00-0130 Motor/Equipment Connections And Terminations <small>(26 05 83)</small>		
<small>Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.</small>		
26 05 83 00-0131 AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	48.82	21.50
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	48.63	21.50
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	57.46	25.80
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	70.79	32.24
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	71.19	32.24
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	71.26	32.24
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	72.56	32.24
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	94.20	42.98
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.66	42.98
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	120.40	53.74
26 05 83 00-0142 AC Three Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	48.63	21.50
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	57.46	25.80
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.79	32.24
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	71.19	32.24
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	71.26	32.24
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	72.56	32.24
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	94.20	42.98
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.66	42.98
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	120.40	53.74
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	122.36	53.74
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.58	64.48
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	154.57	64.48
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.19	85.97
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	261.98	107.46
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	310.70	128.96
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	367.24	150.44
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	421.29	171.94
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	524.16	214.92
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	620.65	255.76
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	731.22	298.31
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,060.84	447.39
26 05 83 00-0164 AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	48.63	21.50
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	57.46	25.80
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.79	32.24
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	71.19	32.24
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	71.26	32.24
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	72.56	32.24
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	94.20	42.98
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	95.66	42.98
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	120.40	53.74
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	122.36	53.74
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.59	64.48
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	154.56	64.48
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	209.19	85.97
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	262.24	107.63
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	310.70	128.96
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	367.24	150.44
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	421.29	171.94
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	524.16	214.92
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	620.89	255.84
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	731.55	298.48
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,061.58	447.73
26 05 83 00-0186 AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	48.82	21.50
26 05 83 00-0188 Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding.....	247.44	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 Lighting Control Devices (26 09)		
26 09 23 00-0001 Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0005 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	299.79	68.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.27	
26 09 23 00-0006 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	366.91	77.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 09 23 00-0007 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	675.31	120.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.22	
26 09 23 00-0008 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,040.31	163.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.00	
26 09 23 00-0009 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,108.05	214.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.96	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0011 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	338.42	77.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 09 23 00-0012 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	402.83	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.58	
26 09 23 00-0013 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	734.66	137.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.53	
26 09 23 00-0014 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,125.51	180.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.32	
26 09 23 00-0015 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,265.59	236.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.85	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0017 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	396.05	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.58	
26 09 23 00-0018 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	471.28	94.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.74	
26 09 23 00-0019 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	883.15	154.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.85	
26 09 23 00-0020 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,337.75	197.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.64	
26 09 23 00-0021 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,871.54	257.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.74	
26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	472.26	68.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.27	
26 09 23 00-0025 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	595.57	77.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 09 23 00-0026 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,131.30	120.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.22	
26 09 23 00-0027 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,687.96	163.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.00	
26 09 23 00-0028 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,213.48	214.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.96	
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0030 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	492.86	77.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 09 23 00-0031 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	631.50	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.58	
26 09 23 00-0032 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,191.98	137.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.53	
26 09 23 00-0033 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,772.72	180.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.32	
26 09 23 00-0034 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,370.57	236.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.85	
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	533.93	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.58	
26 09 23 00-0037 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	699.95	94.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.74	
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,518.33	154.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,162.81 118.64	197.73
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,466.83 154.74	257.91
26 09 23 00-0041 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	425.49 41.27	68.78
26 09 23 00-0045 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	483.69 46.42	77.38
26 09 23 00-0046 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	902.64 72.22	120.36
26 09 23 00-0047 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,255.60 98.00	163.34
26 09 23 00-0048 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,806.97 128.96	214.92
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	456.81 46.42	77.38
26 09 23 00-0051 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	520.51 51.58	85.97
26 09 23 00-0052 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	963.32 82.53	137.55
26 09 23 00-0053 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,341.25 108.32	180.54
26 09 23 00-0054 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,153.94 141.85	236.42
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.47 51.58	85.97
26 09 23 00-0057 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	556.42 56.74	94.56
26 09 23 00-0058 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,123.85 92.85	154.74
26 09 23 00-0059 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,566.41 118.64	197.73
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,793.32 154.74	257.91
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	619.88 41.27	68.78
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	712.36 46.42	77.38
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,359.97 72.22	120.36
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,903.26 98.00	163.34
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,911.51 128.96	214.92
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	657.53 46.42	77.38
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	749.17 51.58	85.97
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,420.65 82.53	137.55
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,989.35 108.32	180.54
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,259.37 141.85	236.42
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	697.63 51.58	85.97

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	785.08	94.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.74	
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,759.03	154.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.85	
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,391.47	197.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.64	
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,356.08	257.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.74	
26 09 23 00-0080 Combination Lighting Contactors (26 09 23)		
Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23		
00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting		
Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	800.91	94.56
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.74	
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	1,257.38	151.31
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.78	
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	2,005.85	198.59
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.15	
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	3,607.07	260.06
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.03	
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23		
00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting		
Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	1,410.01	94.56
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.74	
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	2,196.11	151.31
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.78	
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	3,643.94	198.59
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.15	
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect	5,702.48	260.06
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.03	
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26		
09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting		
Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect	870.44	94.56
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.74	
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect	1,498.08	151.31
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.78	
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect	2,233.84	198.59
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.15	
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect	4,254.95	260.06
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.03	
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26		
09 23 00-0094)		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting		
Contactors (26 09 23 00-0101)		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect	1,480.21	94.56
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.74	
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect	2,438.14	151.31
<i>Switch</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,872.60 119.15	198.59
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,350.36 156.03	260.06
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.20 13.43	22.35
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.39 13.43	22.35
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	925.00 51.58	85.97
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,180.76 51.58	85.97
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,441.08 51.58	85.97
26 09 23 00-0114 Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0115 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0116 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,219.38 72.33	120.55
26 09 23 00-0118 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,318.12 77.50	129.16
26 09 23 00-0119 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,481.18 77.50	129.16
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,813.90 77.50	129.16
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,967.44 77.50	129.16
26 09 23 00-0122 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,353.07 72.33	120.55
26 09 23 00-0123 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,451.83 77.50	129.16
26 09 23 00-0124 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,614.87 77.50	129.16
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,875.38 77.50	129.16
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,029.21 77.50	129.16
26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0128 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.59 12.92	21.53
26 09 23 00-0129 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.48 10.33	17.22
26 09 23 00-0130 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.48 10.33	17.22
26 09 23 00-0131 Lighting Control Panels (Synergy) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0132 Lighting Control Panels (Synergy) <small>(26 09 23 00-0131)</small>		
26 09 23 00-0133 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,463.75 77.50	129.16
26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) <small>(26 09 23 00-0131)</small>		
26 09 23 00-0135 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	353.20 12.92	21.53
26 09 23 00-0136 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.96 5.17	8.61
26 09 23 00-0137 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.19 7.75	12.92
26 09 23 00-0138 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0139 Lighting Switching Panels (Lutron) <small>(26 09 23 00-0138)</small>		
26 09 23 00-0140 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,204.89 77.50	129.16

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0141 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128@ XPS12-FT)	1,629.48	137.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.66	
26 09 23 00-0142 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128@ XPS16-FT)	2,114.31	146.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.83	
26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0144 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	818.60	120.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.33	
26 09 23 00-0145 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	923.60	120.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.33	
26 09 23 00-0146 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,028.60	120.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.33	
26 09 23 00-0147 Power Filters <small>(26 09 23 00-0114)</small>		
26 09 23 00-0148 EA 600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17"	22,975.47	716.39
26 09 23 00-0149 EA 200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17"	13,548.55	311.47
26 09 23 00-0150 Signal Filters <small>(26 09 23 00-0114)</small>		
26 09 23 00-0151 EA 0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	10,637.72	651.31
26 09 23 00-0152 EA 0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	7,258.82	398.04
26 09 23 00-0153 EA 0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	4,052.64	231.09
26 09 23 00-0154 EA 5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	5,488.82	231.09
26 09 23 00-0155 Radio Controlled Devices (Lutron) <small>(26 09 23)</small>		
26 09 23 00-0156 Tabletop Transmitters For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0157 Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0158 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	263.59	12.92
26 09 23 00-0159 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	341.04	12.92
26 09 23 00-0160 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	428.18	12.92
26 09 23 00-0161 Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0162 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	263.59	12.92
26 09 23 00-0163 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	312.00	12.92
26 09 23 00-0164 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	428.18	12.92
26 09 23 00-0165 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	263.59	12.92
26 09 23 00-0166 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	341.04	12.92
26 09 23 00-0167 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	428.18	12.92
26 09 23 00-0168 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0169 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	341.04	12.92
26 09 23 00-0170 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	428.18	12.92
26 09 23 00-0171 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	428.18	12.92
26 09 23 00-0172 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0173 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	263.59	12.92
26 09 23 00-0174 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	341.04	12.92
26 09 23 00-0175 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	312.00	12.92
26 09 23 00-0176 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	379.77	12.92
26 09 23 00-0177 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	341.04	12.92
26 09 23 00-0178 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	408.82	12.92
26 09 23 00-0179 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	341.04	12.92



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0180			Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0181	EA		One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	263.59	12.92
26 09 23 00-0182	EA		Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	341.04	12.92
26 09 23 00-0183	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	341.04	12.92
26 09 23 00-0184	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	428.18	12.92
26 09 23 00-0185	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	341.04	12.92
26 09 23 00-0186	EA		One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	428.18	12.92
26 09 23 00-0187			Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0188	EA		Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	263.59	12.92
26 09 23 00-0189	EA		Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	341.04	12.92
26 09 23 00-0190	EA		Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	428.18	12.92
26 09 23 00-0191			Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0192	EA		Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	60.26	12.92
26 09 23 00-0193			Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0194	EA		On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	244.22	12.92
26 09 23 00-0195	EA		Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	263.59	12.92
26 09 23 00-0196	EA		Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	263.59	12.92
26 09 23 00-0197	EA		Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	263.59	12.92
26 09 23 00-0198	EA		Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	263.59	12.92
26 09 23 00-0199	EA		Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	263.59	12.92
26 09 23 00-0200			Interfaces For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0201	EA		Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	244.22	12.92
26 09 23 00-0202	EA		Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	244.22	12.92
26 09 23 00-0203	EA		Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	244.22	12.92
26 09 23 00-0204	EA		Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	490.15	12.92
26 09 23 00-0205	EA		RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	699.28	12.92
26 09 23 00-0206	EA		Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	699.28	12.92
26 09 23 00-0207			Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0208	EA		On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	312.00	12.92
26 09 23 00-0209	EA		Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	350.72	12.92
26 09 23 00-0210	EA		Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	408.82	12.92
26 09 23 00-0211			AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0212	EA		Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	457.23	12.92
26 09 23 00-0213	EA		Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	626.67	12.92
26 09 23 00-0214			Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0215			Occupancy Sensors <small>(26 09 23 00-0214)</small>		
			Note: Exclude boxes.		
26 09 23 00-0216			Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0217			Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0218	EA		Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	94.83	8.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0219	EA		Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	111.58	8.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0220			Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0221	EA		Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	70.13	8.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0222	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	70.13	8.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0223 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....	77.19	8.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 09 23 00-0224 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200).....	91.30	8.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 09 23 00-0225 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	93.06	8.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 09 23 00-0226 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	94.83	8.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 09 23 00-0227 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0216)		
26 09 23 00-0228 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	122.17	8.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 09 23 00-0229 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....	139.80	8.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 09 23 00-0230 Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0216)		
26 09 23 00-0231 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	5.37	2.15
26 09 23 00-0232 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.51	2.15
26 09 23 00-0233 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.51	2.15
26 09 23 00-0234 Ceiling Mounted Occupancy Sensors (26 09 23 00-0215)		
26 09 23 00-0235 Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0234)		
26 09 23 00-0236 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0235)		
26 09 23 00-0237 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	125.18	19.37
26 09 23 00-0238 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	143.70	19.37
26 09 23 00-0239 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	161.33	19.37
26 09 23 00-0240 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	161.33	19.37
26 09 23 00-0241 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0235)		
26 09 23 00-0242 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	133.11	19.37
26 09 23 00-0243 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	150.75	19.37
26 09 23 00-0244 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	168.39	19.37
26 09 23 00-0245 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	168.39	19.37
26 09 23 00-0246 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0235)		
26 09 23 00-0247 EA 600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605).....	130.47	19.37
26 09 23 00-0248 EA 1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	148.11	19.37
26 09 23 00-0249 EA 2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	165.74	19.37
26 09 23 00-0250 EA 90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	165.74	19.37
26 09 23 00-0251 EA 600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	140.17	19.37
26 09 23 00-0252 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	157.81	19.37
26 09 23 00-0253 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	176.33	19.37
26 09 23 00-0254 EA 90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	176.33	19.37
26 09 23 00-0255 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0235)		
26 09 23 00-0256 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	140.17	19.37
26 09 23 00-0257 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	157.81	19.37
26 09 23 00-0258 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	176.33	19.37
26 09 23 00-0259 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	133.11	19.37
26 09 23 00-0260 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	150.75	19.37
26 09 23 00-0261 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	168.39	19.37
26 09 23 00-0262 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	133.11	19.37
26 09 23 00-0263 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	150.75	19.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0264 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	168.39	19.37
26 09 23 00-0265 Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0266 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	104.01	19.37
26 09 23 00-0267 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	106.66	19.37
26 09 23 00-0268 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	118.12	19.37
26 09 23 00-0269 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	123.41	19.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0270 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	123.41	19.37
26 09 23 00-0271 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	134.88	19.37
26 09 23 00-0272 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	138.40	19.37
26 09 23 00-0273 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0274 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	173.68	19.37
26 09 23 00-0275 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	192.20	19.37
26 09 23 00-0276 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	192.20	19.37
26 09 23 00-0277 Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0278 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0277)</small>		
26 09 23 00-0279 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	192.20	19.37
26 09 23 00-0280 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	192.20	19.37
26 09 23 00-0281 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0277)</small>		
26 09 23 00-0282 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	192.20	19.37
26 09 23 00-0283 Occupancy Sensor Power Packs <small>(26 09 23 00-0214)</small>		
26 09 23 00-0284 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0285 EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	61.78	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0286 EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	61.78	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0287 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0288 EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	56.49	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0289 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0283)</small>		
26 09 23 00-0290 EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	68.83	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0291 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0292 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	67.07	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0293 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	67.07	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0294 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0295 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	82.06	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0296 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	82.06	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0297 Occupancy Sensor Power Supplies <small>(26 09 23 00-0283)</small>		
26 09 23 00-0298 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120).....	152.61	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0299 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	152.61	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0300 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0301 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	228.46	17.22

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0302 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0303 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	71.48	17.22
26 09 23 00-0304 Occupancy Sensor Accessories <small>(26 09 23 00-0214)</small>		
26 09 23 00-0305 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0306 EA Protective Cage For Occupancy Sensors (Watt Stopper WC)	42.02	6.45
26 09 23 00-0307 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0308 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)	32.99	10.76
	Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	
26 09 23 00-0309 Occupancy/Lighting Logger <small>(26 09 23 00-0304)</small>		
	Note: Logs when a space is occupied/vacant and when lighting is on/off.	
26 09 23 00-0310 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	312.18	36.60
26 09 23 00-0311 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0312 EA Remove And Reinstall Surface Mounted Occupancy Sensor	58.12	
	Note: Includes storing and cleaning.	
26 09 23 00-0313 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor	25.84	
	Note: Includes storing and cleaning.	
26 09 23 00-0314 Digital Time Light Switches <small>(26 09 23 00-0214)</small>		
26 09 23 00-0315 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	68.37	8.61
26 09 23 00-0316 Daylight Sensing Light Switches <small>(26 09 23 00-0214)</small>		
26 09 23 00-0317 EA User Adjustable Light Level Settings, Daylight Sensing Light Switch (Watt Stopper LS-100)	91.30	8.61
26 09 23 00-0318 Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
	Note: Includes testing of new devices and certification.	
26 09 23 00-0319 Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0318)</small>		
	Note: Exclude boxes	
26 09 23 00-0320 Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0319)</small>		
26 09 23 00-0321 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0320)</small>		
26 09 23 00-0322 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	99.72	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Low Voltage Relay Option, Add	7.50
26 09 23 00-0323 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	72.22	8.61
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17
26 09 23 00-0324 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	69.20	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Photocell (Inhibit Mode Only) Option, Add	7.50
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17
26 09 23 00-0325 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	69.20	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Photocell (Inhibit Mode Only) Option, Add	7.50
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17
26 09 23 00-0326 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	85.97	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Photocell (Inhibit Mode Only) Option, Add	7.50
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17
26 09 23 00-0327 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	85.97	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Photocell (Inhibit Mode Only) Option, Add	7.50
26 09 23 00-0328 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	103.16	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Photocell (Inhibit Mode Only) Option, Add	7.50
26 09 23 00-0329 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	85.97	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Photocell (Inhibit Mode Only) Option, Add	7.50
26 09 23 00-0330 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0320)</small>		
	Note: Includes passive infrared and microphonics detection	
26 09 23 00-0331 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	127.22	8.61
	For Low Temp/High Humidity Option, Add	6.25
	For Low Voltage Relay Option, Add	7.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0332 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	99.72	8.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0333 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	97.66	8.61
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0334 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	97.66	8.61
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0335 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	113.47	8.61
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 09 23 00-0336 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	113.47	8.61
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0337 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	121.72	8.61
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0338 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0320)		
26 09 23 00-0339 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	9.81	2.15
26 09 23 00-0340 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	9.81	2.15
26 09 23 00-0341 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	18.06	2.15
26 09 23 00-0342 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	18.06	2.15
26 09 23 00-0343 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0319)		
26 09 23 00-0344 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) (26 09 23 00-0343)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0345 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	121.25	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0346 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	121.25	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0347 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	121.25	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0348 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	128.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0349 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	128.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0350 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	106.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0351 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	155.63	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0352	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	155.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0353	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	133.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0354	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	121.25	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0355	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	121.25	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0356	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	121.25	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0357	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	128.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0358	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	128.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0359	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	106.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0360	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	155.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0361	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	155.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0362	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	133.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0363			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00 0363) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0364	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	148.75	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0365 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	148.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0366 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	148.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0367 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	141.87	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0368 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	141.87	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0369 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	119.87	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0370 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	169.37	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0371 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	169.37	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0372 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	147.37	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0373 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	148.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0374 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	148.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0375 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	148.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0376 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	141.87	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0377	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	141.87	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Occupancy Controlled Dimming Option, Add	12.50	
			For Photozell Option With Dimming Capability, Add	18.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0378	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	119.87	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Occupancy Controlled Dimming Option, Add	12.50	
			For Photozell Option With Dimming Capability, Add	18.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0379	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	169.37	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Photozell Option With Dual Zone On/Off, Add	18.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0380	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	169.37	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Photozell Option With Dual Zone On/Off, Add	18.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0381	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	147.37	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Photozell Option With Dual Zone On/Off, Add	18.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0382			Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0319)		
26 09 23 00-0383			Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0382)		
26 09 23 00-0384	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	121.25	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Low Voltage Relay Option, Add	7.50	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
26 09 23 00-0385	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	135.00	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Low Voltage Relay Option, Add	7.50	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
26 09 23 00-0386	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	162.50	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Ceiling Mount, Add	12.50	
26 09 23 00-0387	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	155.63	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0388	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	183.13	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0389			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0382)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0390	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	148.75	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Low Voltage Relay Option, Add	7.50	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
26 09 23 00-0391	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	169.37	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 09 23 00-0392	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	196.87	19.37
			For Low Temp/High Humidity Option, Add	6.25	
			For Photozell (Inhibit Mode Only) Option, Add	7.50	
			For Ceiling Mount, Add	12.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0393 High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0319)</small>		
26 09 23 00-0394 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0393)</small>		
26 09 23 00-0395 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	121.25	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0396 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	121.25	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0397 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	121.25	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0398 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	106.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0399 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	106.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0400 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	106.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0401 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	133.63	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0402 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	133.63	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0403 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	133.63	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0404 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	115.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0405 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	115.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0406 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	115.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0407 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	115.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0408 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	115.75	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0409	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	115.75	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0410	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	135.00	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0411	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	135.00	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0412	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	135.00	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photocell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0413	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	161.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0414	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	161.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0415	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	161.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photocell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0416	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	143.25	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0417	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	143.25	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0418	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	122.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0419	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	122.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0420	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	122.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0421	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	122.63	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0422	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	135.00	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0423	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	135.00	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0424	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	161.13	19.37
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0425 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	161.13	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0426 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	155.63	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0427 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	141.87	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0428 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	141.87	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0429 Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0430 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	72.94	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0431 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	100.44	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0432 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	59.19	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0433 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	55.06	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0434 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	68.82	17.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0435 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	103.19	17.22
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0436 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	103.19	17.22
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0437 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	103.19	17.22
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.33	
26 09 23 00-0438 Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0439 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0438)</small>		
26 09 23 00-0440 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor	25.84	
Note: Includes storing and cleaning.		
26 09 23 00-0441 EA Remove And Reinstall Surface Mounted Occupancy Sensor	58.12	
Note: Includes storing and cleaning.		
26 09 23 00-0442 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0443 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0444 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0445 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0446 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For 480 Volt AC Option, Add</i>	8.75	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0447 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For 480 Volt AC Option, Add</i>	8.75	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0448 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For 480 Volt AC Option, Add</i>	8.75	
<i>For Dual Zone Option, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 09 23 00-0449 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	107.50	19.37
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Dual Zone Option, Add</i>	18.75	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0450 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC) .....107.50 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75	107.50	19.37
26 09 23 00-0451 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC) .....107.50 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75	107.50	19.37
26 09 23 00-0452 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC) .....107.50 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.63	107.50	19.37
26 09 23 00-0453 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC) .....107.50 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.63	107.50	19.37
26 09 23 00-0454 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC) .....107.50 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.63	107.50	19.37
26 09 23 00-0455 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC) .....148.75 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75	148.75	19.37
26 09 23 00-0456 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC) .....148.75 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75	148.75	19.37
26 09 23 00-0457 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC) .....148.75 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75	148.75	19.37
26 09 23 00-0458 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC) .....148.75 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.63	148.75	19.37
26 09 23 00-0459 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC) .....148.75 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.63	148.75	19.37
26 09 23 00-0460 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC) .....148.75 <i>For Low Temp/High Humidity Option, Add</i> 6.25 <i>For Dual Zone Option, Add</i> 18.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 11.63	148.75	19.37
26 09 23 00-0461 Occupancy Sensors (Sensor Switch nLight®) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0462 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0461) Note: Excludes boxes.		
26 09 23 00-0463 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0464 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0463) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0465 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX) .....174.81	174.81	8.61
26 09 23 00-0466 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0467 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0466) Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0468 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9) .....211.92	211.92	19.37
26 09 23 00-0469 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10) .....211.92	211.92	19.37
26 09 23 00-0470 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC) .....211.92	211.92	19.37
26 09 23 00-0471 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0466) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0472 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9) .....246.55	246.55	19.37
26 09 23 00-0473 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10) .....246.55	246.55	19.37
26 09 23 00-0474 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P) .....255.20	255.20	19.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0475				Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0476				Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0475) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0477	EA			Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	246.55	19.37
26 09 23 00-0478				High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0479				Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0478)		
26 09 23 00-0480	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	211.92	19.37
26 09 23 00-0481				Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0482	EA			150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	77.73	17.22
26 09 23 00-0483	EA			250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	95.06	17.22
26 09 23 00-0484	EA			30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	124.49	17.22
26 09 23 00-0485	EA			System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	124.49	17.22
26 09 23 00-0486				Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0487	EA			RS232 AV Integrator (Sensor Switch nLight® nIO X).....	255.20	19.37
26 09 23 00-0488	EA			8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	341.81	19.37
26 09 23 00-0489				Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0490	EA			Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	177.28	19.37
26 09 23 00-0491				Controls (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0492	EA			On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	120.14	19.37
26 09 23 00-0493	EA			1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	168.64	19.37
26 09 23 00-0494	EA			On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	376.43	19.37
26 09 23 00-0495	EA			3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	376.43	19.37
26 09 23 00-0496	EA			3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	1,380.80	19.37
26 09 23 00-0497				Occupancy Sensors (Lutron) (26 09 23)		
				Note: Includes testing of new devices and certification.		
26 09 23 00-0498				Wireless Occupancy Sensors (26 09 23 00-0497)		
26 09 23 00-0499	EA			Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	91.45	19.37
26 09 23 00-0500	EA			Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	92.29	19.37
26 09 23 00-0501	EA			Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	96.97	19.37
26 09 23 00-0502	EA			Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	93.34	19.37
26 09 23 00-0503	EA			Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	96.97	19.37
26 09 23 00-0504	EA			Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	91.45	19.37
26 09 23 00-0505	EA			Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	93.34	19.37
26 09 23 00-0506	EA			Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	92.29	19.37
26 09 23 00-0507	EA			Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	136.39	19.37
26 09 23 00-0508	EA			Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	144.79	19.37
26 09 23 00-0509	EA			Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	163.69	19.37
26 09 23 00-0510	EA			Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	172.09	19.37
26 09 23 00-0511	EA			Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	176.29	19.37
26 09 23 00-0512	EA			Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	184.69	19.37
26 09 23 00-0513	EA			Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	109.93	19.37
26 09 23 00-0514	EA			Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	115.39	19.37
26 09 23 00-0515	EA			Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	133.24	19.37
26 09 23 00-0516	EA			Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	146.89	19.37
26 09 23 00-0517	EA			Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	157.39	19.37
26 09 23 00-0518	EA			Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	137.44	19.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0519			Nodes And Modules <small>(26 09 23 00-0497)</small>		
26 09 23 00-0520	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	141.64	19.37
26 09 23 00-0521	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	141.64	19.37
26 09 23 00-0522	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	176.29	19.37
26 09 23 00-0523	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	176.29	19.37
26 09 23 00-0524	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	223.64	21.53
26 09 23 00-0525	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	223.64	21.53
26 09 23 00-0526	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	268.79	21.53
26 09 23 00-0527	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	275.09	21.53
26 09 23 00-0528	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	337.04	21.53
26 09 23 00-0529	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	356.99	21.53
26 09 23 00-0530	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	376.94	21.53
26 09 23 00-0531	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,006.01	34.44
26 09 23 00-0532	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	991.00	38.75
26 09 23 00-0533	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,445.85	43.05
26 09 23 00-0534			Other Accessories <small>(26 09 23 00-0497)</small>		
26 09 23 00-0535	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	26.86	
26 09 23 00-0536	EA		Pico® Wireless Control (Lutron® PJ)	27.83	
26 09 23 00-0537	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	76.93	
26 09 23 00-0538	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	149.38	
26 09 23 00-0539	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	170.23	19.37
26 09 23 00-0540	EA		seeTouch® QS Wallstation (Lutron® QSWS2)	212.79	19.37
26 09 23 00-0541	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	212.79	19.37
26 09 23 00-0542	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	343.34	21.53
26 09 23 00-0543	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	466.19	21.53
26 09 23 00-0544	EA		Control Interface (Lutron® QSE-CI-NWK-E)	557.44	19.37
26 09 23 00-0545	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	553.25	19.37
26 09 23 00-0546	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	737.00	19.37
26 09 23 00-0547	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,518.56	601.79
26 09 23 00-0548	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	1,938.56	601.79
26 09 23 00-0549			Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0550	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	88.09	19.37
26 09 23 00-0551	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	78.43	19.37
26 09 23 00-0552	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	96.07	19.37
26 09 23 00-0553	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	78.43	19.37
26 09 23 00-0554			Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0555			Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0554)</small>		
26 09 23 00-0556			Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0555)</small>		
			Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0557	EA		120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	179.73	
26 09 23 00-0558	EA		480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	248.99	
26 09 23 00-0559			Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0555)</small>		
26 09 23 00-0560	EA		Retrofit Receptacle Kit (Roam® DUR103)	36.01	
			Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0561	EA		Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	7,022.24	47.76
26 09 23 00-0562			Consoles <small>(26 09 23)</small>		
26 09 23 00-0563	EA		20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	399.98	107.46
26 09 23 00-0564			Emergency Lighting Controls <small>(26 09 23)</small>		
26 09 23 00-0565			Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0564)</small>		
			Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0566	EA		DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	146.32	21.53
26 09 23 00-0567	EA		1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	143.16	21.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0568		Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0564)</small>	
		Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.	
26 09 23 00-0569	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	216.71
26 09 23 00-0570	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	292.29
26 09 23 00-0571	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	390.36
		Note: Controls normal and emergency lighting from single-pole wall switch.	
26 09 23 00-0572		Photocells <small>(26 09 23)</small>	
26 09 23 00-0573	EA	Plug-In Photocell For Lighting Fixtures.....	60.53
26 09 23 00-0574	EA	Wired Photocell For Lighting Fixtures.....	148.65

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment			
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	29,669.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	906.75
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	36,420.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,133.44
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	41,084.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,133.44
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	47,131.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,209.00
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	53,498.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,395.00

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179.....	893.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.08
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N.....	321.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.08
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67.....	463.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.35
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	367.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.08
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87.....	1,374.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.54

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range			
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	17,537.41
		<i>For 50 Hz Operation, Add</i>	1,741.79
		<i>For Forced Air Cooling, Add</i>	1,741.79
		<i>For External Control Panel, Add</i>	435.45
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	145.15
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	725.75
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	1,814.37
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	2,177.24
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	20,164.86
		<i>For 50 Hz Operation, Add</i>	1,966.41
		<i>For Forced Air Cooling, Add</i>	1,966.41
		<i>For External Control Panel, Add</i>	491.60
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	163.87
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	819.34
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,048.34
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	2,458.01
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	30,871.88
		<i>For 50 Hz Operation, Add</i>	3,059.83
		<i>For Forced Air Cooling, Add</i>	3,059.83
		<i>For External Control Panel, Add</i>	764.96
		<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	254.99
		<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,274.93
		<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	3,187.32
		<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	3,824.78

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	44,378.02	3,142.68
For 50 Hz Operation, Add	4,511.96	
For Forced Air Cooling, Add	4,511.96	
For External Control Panel, Add	1,127.99	
For Internally Mounted Current Transformers And Linear Couplers, Add	376.00	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,879.99	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,699.96	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,639.96	
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	54,716.26	4,067.00
For 50 Hz Operation, Add	5,549.20	
For Forced Air Cooling, Add	5,549.20	
For External Control Panel, Add	1,387.30	
For Internally Mounted Current Transformers And Linear Couplers, Add	462.43	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,312.17	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,780.42	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,936.50	
26 11 13 00-0021 23 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	19,744.90	2,010.14
For 50 Hz Operation, Add	1,916.01	
For External Control Panel, Add	479.00	
For Internally Mounted Current Transformers And Linear Couplers, Add	159.67	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	798.34	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	1,995.85	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	2,395.02	
For Forced Air Cooling, Add	1,277.34	
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	22,629.92	2,010.14
For 50 Hz Operation, Add	2,168.12	
For External Control Panel, Add	542.03	
For Internally Mounted Current Transformers And Linear Couplers, Add	180.68	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	903.38	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,258.46	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	2,710.15	
For Forced Air Cooling, Add	1,445.41	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	35,865.36	2,971.51
For 50 Hz Operation, Add	3,578.45	
For External Control Panel, Add	894.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	298.20	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,491.02	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,727.55	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,473.06	
For Forced Air Cooling, Add	2,385.63	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	48,233.54	4,067.00
For 50 Hz Operation, Add	4,771.28	
For External Control Panel, Add	1,192.82	
For Internally Mounted Current Transformers And Linear Couplers, Add	397.61	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,988.03	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,970.08	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,964.09	
For Forced Air Cooling, Add	3,180.85	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	59,038.08	4,067.00
For 50 Hz Operation, Add	6,067.82	
For External Control Panel, Add	1,516.96	
For Internally Mounted Current Transformers And Linear Couplers, Add	505.65	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,528.26	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,320.65	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,584.78	
For Forced Air Cooling, Add	4,045.21	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	24,730.81	2,403.42
For 50 Hz Operation, Add	2,420.23	
For External Control Panel, Add	605.06	
For Internally Mounted Current Transformers And Linear Couplers, Add	201.69	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,008.43	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,521.07	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,025.28	
For Forced Air Cooling, Add	1,613.48	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	29,865.75	3,758.09
For 50 Hz Operation, Add	2,924.44	
For External Control Panel, Add	731.11	
For Internally Mounted Current Transformers And Linear Couplers, Add	243.70	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,218.52	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,046.29	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,655.55	
For Forced Air Cooling, Add	1,949.62	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	41,266.47	3,758.09
For 50 Hz Operation, Add	4,045.23	
For External Control Panel, Add	1,011.31	
For Internally Mounted Current Transformers And Linear Couplers, Add	337.10	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,685.51	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,213.78	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,056.54	
For Forced Air Cooling, Add	2,696.82	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11	13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	52,555.33 5,289.89 1,322.47 440.82 2,204.12 5,510.30 6,612.36 3,526.59	3,974.57
26 11	13 00-0032	EA		10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	89,502.28 9,438.84 2,359.71 786.57 3,932.85 9,832.12 11,798.54 6,292.56	5,083.75
26 11 13 00-0033 46 KV Nominal Primary <small>(26 11 13 00-0014)</small>						
26 11	13 00-0034	EA		1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	37,400.85 3,828.65 957.16 319.05 1,595.27 3,988.18 4,785.81 2,552.43	2,796.71
26 11	13 00-0035	EA		2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	42,216.63 4,340.60 1,085.15 361.72 1,808.58 4,521.46 5,425.75 2,893.73	2,796.71
26 11	13 00-0036	EA		5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	58,195.02 6,076.65 1,519.16 506.39 2,531.94 6,329.85 7,595.82 4,051.10	3,758.09
26 11	13 00-0037	EA		7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	71,693.76 7,301.81 1,825.45 608.48 3,042.42 7,606.06 9,127.27 4,867.88	5,083.75
26 11	13 00-0038	EA		10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	100,333.59 10,738.59 2,684.65 894.88 4,474.41 11,186.03 13,423.24 7,159.06	5,083.75
26 11 13 00-0039 69 KV Nominal Primary <small>(26 11 13 00-0014)</small>						
26 11	13 00-0040	EA		1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	53,186.97 5,657.04 1,414.26 471.42 2,357.10 5,892.75 7,071.30 3,771.36	2,971.51
26 11	13 00-0041	EA		2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	61,301.21 6,449.40 1,612.35 537.45 2,687.25 6,718.12 8,061.75 4,299.60	3,758.09
26 11	13 00-0042	EA		5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	83,258.79 9,084.31 2,271.08 757.03 3,785.13 9,462.82 11,355.38 6,056.20	3,758.09

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	89,188.03	5,083.75
For 50 Hz Operation, Add	9,401.13	
For External Control Panel, Add	2,350.28	
For Internally Mounted Current Transformers And Linear Couplers, Add	783.43	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,917.14	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,792.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,751.41	
For Forced Air Cooling, Add	6,267.42	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	115,634.93	5,083.75
For 50 Hz Operation, Add	12,574.75	
For External Control Panel, Add	3,143.69	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,047.90	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,239.48	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,098.70	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,718.44	
For Forced Air Cooling, Add	8,383.17	
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	31,174.33	726.97
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	34,172.98	726.97
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	38,964.65	903.02
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	36,620.98	1,085.83
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	41,151.07	1,085.83
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	46,964.67	1,261.50
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	48,523.73	1,441.26
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	54,163.95	1,441.26
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	56,854.07	1,618.55
26 11 16 Secondary Unit Substations <small>(26 11)</small>		
26 11 16 00-0001 Substation Primary Incoming Section <small>(26 11 16)</small>		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	21,206.97	1,067.53
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	24,395.99	1,067.53
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	29,917.27	1,067.53
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	31,992.71	1,067.53
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	5,127.58	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	499.10	
26 11 16 00-0011 Oil Filled Substation Transformers <small>(26 11 16)</small>		
Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	9,701.13	611.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	593.43	
For Control Power Transformer On Fans And Auxiliary, Add	254.33	
For Internally Mounted Current Transformer And Linear Coupler, Add	84.78	
26 11 16 00-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	13,973.33	655.48
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	886.37	
For Control Power Transformer On Fans And Auxiliary, Add	379.87	
For Internally Mounted Current Transformer And Linear Coupler, Add	126.62	
26 11 16 00-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,749.67	699.18
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,004.59	
For Control Power Transformer On Fans And Auxiliary, Add	430.54	
For Internally Mounted Current Transformer And Linear Coupler, Add	143.51	
26 11 16 00-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,397.16	742.88
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,183.80	
For Control Power Transformer On Fans And Auxiliary, Add	507.34	
For Internally Mounted Current Transformer And Linear Coupler, Add	169.11	
26 11 16 00-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	20,262.98	786.57
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,308.29	
For Control Power Transformer On Fans And Auxiliary, Add	560.69	
For Internally Mounted Current Transformer And Linear Coupler, Add	186.90	
26 11 16 00-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,389.94	830.28
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,381.06	
For Control Power Transformer On Fans And Auxiliary, Add	591.88	
For Internally Mounted Current Transformer And Linear Coupler, Add	197.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	24,759.02	873.98
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,610.77	
For Control Power Transformer On Fans And Auxiliary, Add	690.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	230.11	
26 11 16 00-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	26,432.57	983.22
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,712.63	
For Control Power Transformer On Fans And Auxiliary, Add	733.98	
For Internal Mounted Current Transformer And Linear Coupler, Add	244.66	
26 11 16 00-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	29,483.22	1,048.77
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,917.00	
For Control Power Transformer On Fans And Auxiliary, Add	821.57	
For Internal Mounted Current Transformer And Linear Coupler, Add	273.86	
26 11 16 00-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	34,082.86	1,136.16
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,226.74	
For Control Power Transformer On Fans And Auxiliary, Add	954.32	
For Internal Mounted Current Transformer And Linear Coupler, Add	318.11	
26 11 16 00-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,403.22	1,223.57
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,446.93	
For Control Power Transformer On Fans And Auxiliary, Add	1,048.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	349.56	
26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ (26 11 16 00-0011)		
26 11 16 00-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,278.20	611.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	563.82	
For Control Power Transformer On Fans And Auxiliary, Add	241.64	
For Internal Mounted Current Transformer And Linear Coupler, Add	80.55	
26 11 16 00-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	13,836.18	655.48
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	876.77	
For Control Power Transformer On Fans And Auxiliary, Add	375.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	125.25	
26 11 16 00-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	15,740.31	699.18
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,003.94	
For Control Power Transformer On Fans And Auxiliary, Add	430.26	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.42	
26 11 16 00-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,413.26	742.88
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,184.93	
For Control Power Transformer On Fans And Auxiliary, Add	507.83	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.28	
26 11 16 00-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,906.40	786.57
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,423.33	
For Control Power Transformer On Fans And Auxiliary, Add	610.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	203.33	
26 11 16 00-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	23,436.30	830.28
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,524.30	
For Control Power Transformer On Fans And Auxiliary, Add	653.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	217.76	
26 11 16 00-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	25,703.95	873.98
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,676.92	
For Control Power Transformer On Fans And Auxiliary, Add	718.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	239.56	
26 11 16 00-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,060.30	983.22
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,826.57	
For Control Power Transformer On Fans And Auxiliary, Add	782.82	
For Internal Mounted Current Transformer And Linear Coupler, Add	260.94	
26 11 16 00-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	31,588.12	1,048.77
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,064.34	
For Control Power Transformer On Fans And Auxiliary, Add	884.72	
For Internal Mounted Current Transformer And Linear Coupler, Add	294.91	
26 11 16 00-0034 Accessories For Oil Filled Substation Transformers (26 11 16 00-0011)		
26 11 16 00-0035 EA Sudden Pressure Relay.....	2,569.52	
26 11 16 00-0036 EA Throats Or Flanges (HV Or LV).....	5,101.36	
26 11 16 00-0037 EA Lightning Arrestors (3 - 1 Pole).....	3,359.05	
26 11 16 00-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	18,641.04	
26 11 16 00-0039 EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	17,440.55	
26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 00-0011)		
Note: For transformer liquid containment area.		
26 11 16 00-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,248.46	968.79
26 11 16 00-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid.....	3,785.73	1,117.03
26 11 16 00-0049 Dry Type Substation Transformer (26 11 16)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small> Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,701.05	699.18
For Gas Filled Transformers, Add	9,181.61	
For Single Phase Transformers, Deduct	-382.57	
For Dry Type Unit, Add	3,506.43	
26 11 16 00-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,788.44	742.88
For Gas Filled Transformers, Add	9,181.61	
For Single Phase Transformers, Deduct	-382.57	
For Dry Type Unit, Add	3,515.17	
26 11 16 00-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	17,249.97	873.98
For Gas Filled Transformers, Add	9,301.21	
For Single Phase Transformers, Deduct	-387.55	
For Dry Type Unit, Add	3,585.24	
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	19,036.65	961.37
For Gas Filled Transformers, Add	10,268.34	
For Single Phase Transformers, Deduct	-427.85	
For Dry Type Unit, Add	3,957.33	
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,188.03	1,136.16
For Gas Filled Transformers, Add	11,349.41	
For Single Phase Transformers, Deduct	-472.89	
For Dry Type Unit, Add	4,388.69	
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	24,543.22	1,310.96
For Gas Filled Transformers, Add	13,152.78	
For Single Phase Transformers, Deduct	-548.03	
For Dry Type Unit, Add	5,084.88	
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	28,539.35	1,573.16
For Gas Filled Transformers, Add	15,235.83	
For Single Phase Transformers, Deduct	-634.83	
For Dry Type Unit, Add	5,901.10	
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	33,638.26	1,747.95
For Gas Filled Transformers, Add	18,085.42	
For Single Phase Transformers, Deduct	-753.56	
For Dry Type Unit, Add	6,980.91	
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	43,222.26	1,835.34
For Gas Filled Transformers, Add	23,730.94	
For Single Phase Transformers, Deduct	-988.79	
For Dry Type Unit, Add	9,068.41	
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,158.00	699.18
For Gas Filled Transformers, Add	8,855.78	
For Single Phase Transformers, Deduct	-368.99	
For Dry Type Unit, Add	3,386.96	
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,788.44	742.88
For Gas Filled Transformers, Add	9,181.61	
For Single Phase Transformers, Deduct	-382.57	
For Dry Type Unit, Add	3,515.17	
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	17,249.97	873.98
For Gas Filled Transformers, Add	9,301.21	
For Single Phase Transformers, Deduct	-387.55	
For Dry Type Unit, Add	3,585.24	
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	19,036.65	961.37
For Gas Filled Transformers, Add	10,268.34	
For Single Phase Transformers, Deduct	-427.85	
For Dry Type Unit, Add	3,957.33	
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,188.03	1,136.16
For Gas Filled Transformers, Add	11,349.41	
For Single Phase Transformers, Deduct	-472.89	
For Dry Type Unit, Add	4,388.69	
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	24,543.22	1,310.96
For Gas Filled Transformers, Add	13,152.78	
For Single Phase Transformers, Deduct	-548.03	
For Dry Type Unit, Add	5,084.88	
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	28,539.35	1,573.16
For Gas Filled Transformers, Add	15,235.83	
For Single Phase Transformers, Deduct	-634.83	
For Dry Type Unit, Add	5,901.10	
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	33,638.26	1,747.95
For Gas Filled Transformers, Add	18,085.42	
For Single Phase Transformers, Deduct	-753.56	
For Dry Type Unit, Add	6,980.91	
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	43,222.26	1,835.34
For Gas Filled Transformers, Add	23,730.94	
For Single Phase Transformers, Deduct	-988.79	
For Dry Type Unit, Add	9,068.41	
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	47,361.62	1,922.75
For Gas Filled Transformers, Add	26,109.68	
For Single Phase Transformers, Deduct	-1,087.90	
For Dry Type Unit, Add	9,958.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	52,742.47 29,233.31 -1,218.05 11,120.91	2,010.14
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	60,601.57 33,843.90 -1,410.16 12,828.94	2,097.54
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,999.62 9,855.88 -410.66 3,771.14	786.57
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,626.92 10,179.82 -424.16 3,898.66	830.28
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,995.62 10,843.72 -451.82 4,168.31	961.37
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,143.50 11,427.58 -476.15 4,399.87	1,048.77
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,136.13 13,013.41 -542.23 5,016.29	1,223.57
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	26,788.19 14,394.89 -599.79 5,557.80	1,398.36
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	31,306.97 16,791.52 -699.65 6,489.00	1,660.55
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	37,769.79 20,459.46 -852.48 7,868.87	1,835.34
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	45,371.49 24,915.61 -1,038.15 9,520.27	1,922.75
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,999.62 9,855.88 -410.66 3,771.14	786.57
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	18,626.92 10,179.82 -424.16 3,898.66	830.28
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,995.62 10,843.72 -451.82 4,168.31	961.37
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,143.50 11,427.58 -476.15 4,399.87	1,048.77
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,136.13 13,013.41 -542.23 5,016.29	1,223.57
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	23,649.17 12,511.48 -521.31 4,867.21	1,398.36
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,858.22 12,922.27 -538.43 5,070.28	1,660.55
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	30,381.37 16,026.41 -667.77 6,243.42	1,835.34

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	35,795.11	1,922.75
For Gas Filled Transformers, Add	19,169.78	
For Single Phase Transformers, Deduct	-798.74	
For Dry Type Unit, Add	7,413.47	
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	39,886.41	2,010.14
For Gas Filled Transformers, Add	21,519.68	
For Single Phase Transformers, Deduct	-896.65	
For Dry Type Unit, Add	8,292.58	
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	46,586.28	2,097.54
For Gas Filled Transformers, Add	25,434.73	
For Single Phase Transformers, Deduct	-1,059.78	
For Dry Type Unit, Add	9,745.57	
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	56,773.95	2,184.93
For Gas Filled Transformers, Add	31,442.45	
For Single Phase Transformers, Deduct	-1,310.10	
For Dry Type Unit, Add	11,965.88	
26 11 16 00-0096 Substation Secondary Distribution Section (26 11 16)		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker (26 11 16 00-0096)		
Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	7,964.97	752.74
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	12,764.73	1,138.07
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	17,297.83	1,397.96
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	28,284.12	1,621.98
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	36,226.95	1,846.01
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker (26 11 16 00-0096)		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	3,533.90	228.51
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	4,083.20	228.51
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,340.58	336.04
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,559.37	336.04
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,547.97	492.87
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering (26 11 16 00-0096)		
Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section	2,265.03	255.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.03	
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section	2,822.11	255.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.43	
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section	3,707.76	394.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.43	
26 11 16 00-0113 Accessories For Substation Secondary Distribution (26 11 16 00-0096)		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section	1,196.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section	946.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section	2,844.23	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section	2,844.23	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section	3,738.87	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section	4,821.84	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	2,139.46	89.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.73	
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	7,478.12	1,326.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	796.01	
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,328.06	78.59
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	1,547.27	78.59
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	824.12	39.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.58	
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	6,038.23	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	786.45	39.30

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002 EA Remove And Relocate Oil Filled Transformer, Up To 37.5 KVA	899.20	
26 12 13 00-0003 EA Remove And Relocate Oil Filled Transformers, >37.5 To 100 KVA	1,654.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0004	Single Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>	
	Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.	
26 12 13 00-0005	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <small>(26 12 13 00-0004)</small>	
26 12 13 00-0006 EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,419.96 360.68
26 12 13 00-0007 EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,731.39 450.85
26 12 13 00-0008 EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,037.83 541.02
26 12 13 00-0009 EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,602.96 676.27
26 12 13 00-0010 EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,102.32 811.53
26 12 13 00-0011 EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,029.15 946.79
26 12 13 00-0012 EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,783.76 1,127.13
26 12 13 00-0013	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA <small>(26 12 13 00-0004)</small>	
26 12 13 00-0014 EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,419.96 360.68
26 12 13 00-0015 EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,750.58 450.85
26 12 13 00-0016 EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,037.83 541.02
26 12 13 00-0017 EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,602.96 676.27
26 12 13 00-0018 EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,102.32 811.53
26 12 13 00-0019 EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,831.97 946.79
26 12 13 00-0020 EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,683.63 1,127.13
26 12 13 00-0021	Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0022 EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,397.58 360.68
26 12 13 00-0023 EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,670.64 450.85
26 12 13 00-0024 EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,977.75 541.02
26 12 13 00-0025 EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,589.10 676.27
26 12 13 00-0026 EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,043.78 811.53
26 12 13 00-0027 EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,868.94 946.79
26 12 13 00-0028 EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,692.87 1,127.13
26 12 13 00-0029	Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0030 EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,501.50 360.68
26 12 13 00-0031 EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,777.75 450.85
26 12 13 00-0032 EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,258.36 541.02
26 12 13 00-0033 EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,838.89 676.27
26 12 13 00-0034 EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,323.80 811.53
26 12 13 00-0035 EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,283.07 946.79
26 12 13 00-0036 EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,361.42 1,127.13
26 12 13 00-0037	Transformer Platforms <small>(26 12 13 00-0004)</small>	
26 12 13 00-0038 EA	Transformer Platforms, 75 - 167 KVA.....	3,835.65 609.10
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0040 EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,317.62 721.36
26 12 13 00-0041 EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,585.52 811.53
26 12 13 00-0042 EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,980.58 901.70
26 12 13 00-0043 EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,010.04 1,262.38
26 12 13 00-0044 EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,585.15 1,442.73
26 12 13 00-0045 EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,998.94 1,803.40
26 12 13 00-0046 EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,081.92 1,983.74
26 12 13 00-0047 EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,232.15 2,524.76
26 12 13 00-0048 EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,054.29 2,885.44
26 12 13 00-0049 EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,448.30 3,606.80
26 12 13 00-0050 EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	17,111.93 4,508.50
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. <small>(26 12 13 00-0004)</small>	
26 12 13 00-0052 EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,419.96 441.66
26 12 13 00-0053 EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,731.39 552.02
26 12 13 00-0054 EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,037.46 661.76
26 12 13 00-0055 EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,603.84 829.30
26 12 13 00-0056 EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,101.48 993.40
26 12 13 00-0057 EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,028.01 1,156.97
26 12 13 00-0058 EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,783.76 1,380.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,419.96	441.66
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,750.58	552.02
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,037.46	661.76
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,603.84	829.30
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,101.48	993.40
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,830.83	1,156.97
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,683.63	1,380.14
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,251.82	360.68
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,525.17	450.85
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,792.93	541.02
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,299.14	676.27
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,821.57	811.53
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,924.42	946.79
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,579.54	1,127.13
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,200.95	360.68
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,461.22	450.85
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,763.86	541.02
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,241.01	676.27
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,741.64	811.53
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,633.76	946.79
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,288.88	1,127.13
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 V <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	6,528.42	1,983.74
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	8,341.09	2,524.76
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	9,824.63	2,705.10
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	12,553.86	3,381.38
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	17,804.71	4,508.50
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	23,998.76	5,184.78
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Remove And Relocate "Dry Type" Transformer Up To 37.5 KVA	362.70	
26 12 16 00-0003 EA Remove And Relocate "Dry Type" Transformer, >37.5 To 112.5 KVA	1,612.00	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,606.42	436.98
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,920.06	436.98
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,477.65	598.67
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,208.15	598.67
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,755.35	786.57
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,139.17	786.57
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications	433.22	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013	EA			Loadbreaker Inserts, Factory Modifications	500.72	
26 12 19 00-0014				Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>		
				Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015				Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
				Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA			25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,142.20	436.98
26 12 19 00-0017	EA			37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,603.55	436.98
26 12 19 00-0018	EA			50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,940.70	598.67
26 12 19 00-0019	EA			75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,809.32	598.67
26 12 19 00-0020	EA			100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,380.08	786.57
26 12 19 00-0021	EA			167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,509.61	786.57
26 12 19 00-0022	EA			250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,021.72	1,092.47
26 12 19 00-0023				Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA			Loadbreaker Current Limiting Fuse Factory Modifications	577.63	
26 12 19 00-0025	EA			Lightning Arrestors, Factory Modifications	146.36	
26 12 19 00-0026	EA			Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027	EA			Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028	EA			Loadbreaker Inserts (Two), Factory Modifications	197.78	
26 12 19 00-0029	EA			Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	171.09	
26 12 19 00-0030				Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
				Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA			25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,355.09	436.98
26 12 19 00-0032	EA			37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,674.35	436.98
26 12 19 00-0033	EA			50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,912.85	598.67
26 12 19 00-0034	EA			75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,638.94	598.67
26 12 19 00-0035	EA			100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,733.33	786.57
26 12 19 00-0036	EA			167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,132.24	786.66
26 12 19 00-0037	EA			250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,027.93	1,092.47
26 12 19 00-0038				Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
				Note: Conventional type.		
26 12 19 00-0039				13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
				Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA			10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,299.70	305.01
26 12 19 00-0041	EA			37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,920.03	428.92
26 12 19 00-0042	EA			50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,411.19	686.27
26 12 19 00-0043	EA			100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,500.86	686.27
26 12 19 00-0044	EA			167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,217.22	1,124.72
26 12 19 00-0045	EA			250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,383.51	1,124.72
26 12 19 00-0046				Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047				7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA			10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,243.02	324.07
26 12 19 00-0049	EA			15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,455.11	324.07
26 12 19 00-0050	EA			25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,866.14	457.51
26 12 19 00-0051	EA			37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,746.36	457.51
26 12 19 00-0052	EA			50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,321.50	619.55
26 12 19 00-0053	EA			100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,356.10	953.15
26 12 19 00-0054	EA			167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,103.86	953.15
26 12 19 00-0055	EA			250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,208.52	1,191.44
26 12 19 00-0056				7.2 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA			10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,243.02	324.07
26 12 19 00-0058	EA			15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,455.16	324.07

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059	EA		25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,866.14	457.51
26 12 19 00-0060	EA		37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,746.36	457.51
26 12 19 00-0061	EA		50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,321.50	619.55
26 12 19 00-0062	EA		75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,511.10	838.78
26 12 19 00-0063	EA		100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,356.10	838.78
26 12 19 00-0064	EA		167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,103.86	1,058.00
26 12 19 00-0065	EA		250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,208.52	1,191.44
26 12 19 00-0066			2.4 KV Primary, 277 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067	EA		10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,420.89	324.07
26 12 19 00-0068	EA		15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,648.95	324.07
26 12 19 00-0069	EA		25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,095.97	457.51
26 12 19 00-0070	EA		37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,039.95	457.51
26 12 19 00-0071	EA		50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,657.69	619.55
26 12 19 00-0072	EA		75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,909.50	838.78
26 12 19 00-0073	EA		100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,977.69	838.78
26 12 19 00-0074	EA		167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,976.32	1,058.00
26 12 19 00-0075	EA		250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,391.25	1,191.44
26 12 19 00-0076			2.4 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077	EA		10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,243.02	324.07
26 12 19 00-0078	EA		15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,455.11	324.07
26 12 19 00-0079	EA		25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,866.14	622.51
26 12 19 00-0080	EA		37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,746.36	838.78
26 12 19 00-0081	EA		50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,321.50	619.55
26 12 19 00-0082	EA		75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,378.93	838.78
26 12 19 00-0083	EA		100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,354.93	838.78
26 12 19 00-0084			2.4 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085	EA		10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,243.02	324.07
26 12 19 00-0086	EA		15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,455.11	324.07
26 12 19 00-0087	EA		25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,866.14	457.51
26 12 19 00-0088	EA		37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,746.36	457.51
26 12 19 00-0089	EA		50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,321.50	619.55
26 12 19 00-0090	EA		75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,378.93	838.78
26 12 19 00-0091	EA		100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,354.93	838.78
26 12 19 00-0092			2.4 KV x 7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093	EA		10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	1,966.42	333.60
26 12 19 00-0094	EA		15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,142.63	371.73
26 12 19 00-0095	EA		25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,564.71	409.86
26 12 19 00-0096	EA		37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,320.52	571.90
26 12 19 00-0097	EA		50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,732.28	667.20
26 12 19 00-0098	EA		75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,997.71	781.59
26 12 19 00-0099	EA		100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,956.78	895.96
26 12 19 00-0100	EA		167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,021.67	1,143.78
26 12 19 00-0101	EA		250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,115.87	1,286.75
26 13			Medium-Voltage Switchgear <small>(26 10)</small>		
26 13 16			Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>		
26 13 16 00-0001			"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>		
			Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002			4.16 Or 4.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
			Note: Includes air circuit breaker.		
26 13 16 00-0003	EA		1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	7,364.45	991.28
			<i>For Weatherproofing, Add</i>	1,481.18	
26 13 16 00-0004	EA		1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	7,693.18	991.28
			<i>For Weatherproofing, Add</i>	1,553.50	
26 13 16 00-0005	EA		1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,363.04	1,262.93
			<i>For Weatherproofing, Add</i>	2,112.65	
26 13 16 00-0006	EA		2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	13,912.93	1,262.93
			<i>For Weatherproofing, Add</i>	2,872.37	
26 13 16 00-0007	EA		2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,643.62	1,525.05
			<i>For Weatherproofing, Add</i>	4,107.75	
26 13 16 00-0008	EA		3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,082.95	1,525.05
			<i>For Weatherproofing, Add</i>	3,753.60	
26 13 16 00-0009			7.2 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
			Note: Includes air circuit breaker.		
26 13 16 00-0010	EA		1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,703.14	1,143.78
			<i>For Weatherproofing, Add</i>	2,201.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,206.85 2,705.14	1,429.73
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,317.41 3,795.72	1,715.68
26 13 16 00-0013 13.8 KV Switchgear Sections (26 13 16 00-0001) Note: Includes air circuit breaker.		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,417.77 2,125.94	1,143.78
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,156.33 2,921.00	1,143.78
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	20,373.12 4,257.44	1,525.05
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	13,121.71 2,674.96	1,525.05
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,691.89 3,873.07	1,906.30
26 13 16 00-0019 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	25,803.89 5,408.90	1,906.30
26 13 16 00-0020 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,085.84 3,731.77	1,906.30
26 13 16 00-0021 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	24,717.71 5,163.33	1,906.30
26 13 16 00-0022 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	31,745.76 6,683.52	1,906.30
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section (26 13 16 00-0001) Note: Excludes air circuit breaker element.		
26 13 16 00-0024 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	3,439.44 669.12	624.32
26 13 16 00-0025 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,330.66 865.19	624.32
26 13 16 00-0026 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,808.25 941.98	829.24
26 13 16 00-0027 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,957.97 1,167.27	1,024.64
26 13 16 00-0028 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,761.72 1,564.09	1,024.64
26 13 16 00-0029 7.2 KV Switchgear Section (26 13 16 00-0001) Note: Excludes air circuit breaker element.		
26 13 16 00-0030 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,292.49 844.62	953.15
26 13 16 00-0031 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,602.13 1,104.65	953.15
26 13 16 00-0032 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,335.40 1,678.26	953.15
26 13 16 00-0033 13.8 KV Switchgear Section (26 13 16 00-0001) Note: Excludes air circuit breaker element.		
26 13 16 00-0034 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,480.53 872.82	810.18
26 13 16 00-0035 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,738.45 929.56	810.18
26 13 16 00-0036 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,677.13 1,328.21	1,000.81
26 13 16 00-0037 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,183.12 1,191.80	1,200.97
26 13 16 00-0038 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,398.58 1,459.20	1,200.97
26 13 16 00-0039 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,523.59 1,678.37	1,401.14
26 13 16 00-0040 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,200.90 1,579.55	1,601.30
26 13 16 00-0041 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,033.77 1,762.78	1,601.30
26 13 16 00-0042 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,000.81 2,167.45	1,791.93
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)		
26 13 16 00-0044 EA 1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,339.74 362.42	604.01
26 13 16 00-0045 EA 2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,860.85 402.18	670.26
26 13 16 00-0046 EA 3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,682.43 483.83	806.37
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	2,859.91	1,212.70
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	2,404.49	78.59

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 13	Medium-Voltage Switchgear



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 16 00-0049	EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,191.74	78.59
26 13 16 00-0050	EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,795.45	78.59
26 13 16 00-0051	EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,567.27	78.59
26 13 16 00-0052	EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,980.52	78.59
26 13 16 00-0053	EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,758.09	78.59
26 13 16 00-0054	EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,121.71	78.59
26 13 16 00-0055	EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,260.08	78.59
26 13 16 00-0056	EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,883.15	78.59
26 13 16 00-0057	EA Overcurrent Phase Protection, Time And Instantaneous Device 67	1,226.80	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0058	EA AC Ammeter With Switch.....	516.22	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0059	EA AC Voltmeter With Switch And Potential Transformer	516.22	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0060	EA Indicating Wattmeter	734.63	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0061	EA Indicating Varmeter.....	855.80	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0062	EA Indicating Watt-hour Meter, 2 Element.....	559.60	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0063	EA Ground Protection, Time Or Instantaneous Device 67N	1,234.28	78.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 13 16 00-0064	EA Differential Generator Protection Single Phase NEMA Device 87	2,276.59	78.59
26 13 16 00-0065	EA Current Transformers 5 And 15 KV Single Secondary.....	369.24	78.59
26 13 16 00-0066	EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	1,539.08	78.59

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)

26 13 19 00-0001	Vacuum Circuit Breakers 13.8 KV <small>(26 13 19)</small>		
26 13 19 00-0002	EA 1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	24,805.20	1,191.44
26 13 19 00-0003	EA 1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	27,449.44	1,505.98
26 13 19 00-0004	EA 1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	31,189.89	1,505.98
26 13 19 00-0005	EA 2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	28,313.88	1,191.44
26 13 19 00-0006	EA 2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	31,735.94	1,191.44
26 13 19 00-0007	EA 2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	36,192.93	1,401.14
26 13 19 00-0008	EA 3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	37,462.86	1,601.30
26 13 19 00-0009	EA 3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	40,902.30	1,601.30
26 13 19 00-0010	EA 3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	44,729.79	1,801.46

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 16 Medium-Voltage Fuses (26 18)

26 18 16 00-0001	Sectionalizing Switch <small>(26 18 16)</small>		
26 18 16 00-0002	Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 16 00-0001)</small> Note: 15 KV - 25 KV.		
26 18 16 00-0003	Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 16 00-0002)</small> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 16 00-0004	EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	18,872.88	655.48
26 18 16 00-0005	EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	21,187.50	655.48

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001	Service Drop Cable And Weatherheads <small>(26 21 13)</small>		
26 21 13 00-0002	600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>		
26 21 13 00-0003	Aluminum Duplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF #6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	5.86	2.27
26 21 13 00-0005	LF #4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.99	2.68
26 21 13 00-0006	LF #2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.04	3.03
26 21 13 00-0007	LF #1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.42	3.82
26 21 13 00-0008	Aluminum Triplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009	LF #6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.03	2.68
26 21 13 00-0010	LF #4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	7.99	3.03
26 21 13 00-0011	LF #2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	10.11	3.82
26 21 13 00-0012	LF #1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	12.50	4.65
26 21 13 00-0013	LF #2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	16.41	6.15
26 21 13 00-0014	LF #4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	20.65	7.62
26 21 13 00-0015	LF 336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt	26.06	9.08



	Electrical	26
	Low-Voltage Electrical Distribution	26 20
	Low-Voltage Electrical Service Entrance	26 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0016	Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)	
26 21 13 00-0017 LF #6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.00	3.03
26 21 13 00-0018 LF #4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.10	3.82
26 21 13 00-0019 LF #2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	13.00	4.89
26 21 13 00-0020 LF #1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	16.66	6.15
26 21 13 00-0021 LF #2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.50	6.81
26 21 13 00-0022 LF #3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	21.07	7.62
26 21 13 00-0023 LF #4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	24.92	9.08
26 21 13 00-0024 LF 336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	29.34	10.03
26 21 13 00-0025	Aluminum Triplex For Underground Service, Direct Burial (26 21 13 00-0002)	
Note: Excludes excavation and backfill.		
26 21 13 00-0026 MLF #6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,498.36	847.26
26 21 13 00-0027 MLF #4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,748.10	897.11
26 21 13 00-0028 MLF #2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,083.70	953.15
26 21 13 00-0029 MLF #1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,384.01	953.15
26 21 13 00-0030 MLF #2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,698.89	1,016.73
26 21 13 00-0031 MLF #3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,341.13	1,173.14
26 21 13 00-0032 MLF #4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	5,454.89	1,525.05
26 21 13 00-0033	Weather Proof Conduit Hubs (26 21 13 00-0002)	
26 21 13 00-0034 EA 1/2" Weatherproof Conduit Hubs	40.13	15.13
26 21 13 00-0035 EA 3/4" Weatherproof Conduit Hubs	45.80	17.20
26 21 13 00-0036 EA 1" Weatherproof Conduit Hubs	53.44	19.26
26 21 13 00-0037 EA 1-1/4" Weatherproof Conduit Hubs	74.91	25.80
26 21 13 00-0038 EA 1-1/2" Weatherproof Conduit Hubs	82.55	27.85
26 21 13 00-0039 EA 2" Weatherproof Conduit Hubs	107.90	32.32
26 21 13 00-0040 EA 2-1/2" Weatherproof Conduit Hubs	143.75	36.45
26 21 13 00-0041 EA 3" Weatherproof Conduit Hubs	187.02	42.98
26 21 13 00-0042 EA 4" Weatherproof Conduit Hubs	327.91	85.97
26 21 13 00-0043	Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)	
26 21 13 00-0044 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	43.86	15.13
26 21 13 00-0045 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	50.27	17.20
26 21 13 00-0046 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	57.44	19.26
26 21 13 00-0047 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	77.17	25.80
26 21 13 00-0048 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	86.92	27.85
26 21 13 00-0049 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	113.12	32.32
26 21 13 00-0050 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	185.67	36.45
26 21 13 00-0051 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	211.74	42.98
26 21 13 00-0052 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	352.10	85.97
26 21 13 00-0053	Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)	
26 21 13 00-0054 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	42.28	15.13
26 21 13 00-0055 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	47.77	17.20
26 21 13 00-0056 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	54.10	19.17
26 21 13 00-0057 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	72.00	25.80
26 21 13 00-0058 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	79.92	27.85
26 21 13 00-0059 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	94.04	32.32
26 21 13 00-0060 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	148.04	36.45
26 21 13 00-0061 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	189.72	42.98
26 21 13 00-0062 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	268.60	64.48
26 21 13 00-0063 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	325.17	85.97
26 21 13 00-0064	Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)	
26 21 13 00-0065 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	43.08	15.13
26 21 13 00-0066 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	49.43	17.20
26 21 13 00-0067 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	56.44	19.17
26 21 13 00-0068 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	75.04	25.80
26 21 13 00-0069 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	81.99	27.85
26 21 13 00-0070 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	102.65	32.32
26 21 13 00-0071 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service	191.68	36.45
26 21 13 00-0072 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	212.36	42.98
26 21 13 00-0073 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	375.60	64.48
26 21 13 00-0074 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	524.01	85.97

26 22 Low-Voltage Transformers (26 20)



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 22 13 Low-Voltage Distribution Transformers (26 22)

26 22 13 00-0001	EA	Single Phase General Purpose "Dry Type" Transformers (26 22 13) Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0002	EA	480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	597.25	220.84
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	766.85	265.01
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	890.80	276.49
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,015.73	287.09
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,310.47	309.17
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,512.15	331.26
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	42.48	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	63.72	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,644.47	353.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	46.89	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	70.33	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,669.22	397.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	43.71	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	65.57	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,947.09	441.67
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	53.19	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	79.78	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,501.94	530.00
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	72.10	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	108.14	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,101.59	618.35
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	93.25	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	139.87	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,683.33	795.01
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	154.67	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	232.00	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	7,811.66	971.69
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	293.42	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	440.12	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	11,676.00	1,104.19
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	473.38	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	710.07	
26 22 13 00-0017	EA	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	694.44	265.01
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	774.78	276.04
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	886.04	287.09
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,005.49	309.17
26 22 13 00-0022	EA	240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,512.15	331.26
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,644.47	353.34
26 22 13 00-0025	EA	1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	412.18	157.19
26 22 13 00-0027	EA	1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	30.61	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	39.01	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	46.52	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	55.50	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	75.09	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	89.78	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	110.18	
26 22 13 00-0035	EA	Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers	1,002.06	276.04
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers	1,100.32	287.09
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers	1,189.86	309.17
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers	1,404.27	331.26
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers	1,813.07	353.34

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 22	Low-Voltage Transformers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0098			480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0099	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	1,972.58	364.38
26 22 13 00-0100	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,501.68	397.51
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	85.33	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.00	
26 22 13 00-0101			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,846.42	485.84
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.74	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	140.60	
			<i>For K4 Factor Rating, Add</i>	1,312.31	
			<i>For K13 Factor Rating, Add</i>	1,874.73	
			<i>For K20 Factor Rating, Add</i>	2,437.15	
26 22 13 00-0103	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,377.29	530.00
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.86	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	173.80	
			<i>For K4 Factor Rating, Add</i>	1,622.09	
			<i>For K13 Factor Rating, Add</i>	2,317.27	
			<i>For K20 Factor Rating, Add</i>	3,012.45	
26 22 13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,551.95	574.18
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	120.18	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	180.27	
			<i>For K4 Factor Rating, Add</i>	1,682.52	
			<i>For K13 Factor Rating, Add</i>	2,403.60	
			<i>For K20 Factor Rating, Add</i>	3,124.68	
26 22 13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,521.86	618.35
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.26	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	246.39	
			<i>For K4 Factor Rating, Add</i>	2,299.63	
			<i>For K13 Factor Rating, Add</i>	3,285.18	
			<i>For K20 Factor Rating, Add</i>	4,270.73	
26 22 13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,514.45	662.51
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	159.47	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	239.21	
			<i>For K4 Factor Rating, Add</i>	2,232.59	
			<i>For K13 Factor Rating, Add</i>	3,189.42	
			<i>For K20 Factor Rating, Add</i>	4,146.25	
26 22 13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,588.33	795.01
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	199.92	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	299.87	
			<i>For K4 Factor Rating, Add</i>	2,798.82	
			<i>For K13 Factor Rating, Add</i>	3,998.31	
			<i>For K20 Factor Rating, Add</i>	5,197.80	
26 22 13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,099.06	883.34
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	266.62	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	399.93	
			<i>For K4 Factor Rating, Add</i>	3,732.65	
			<i>For K13 Factor Rating, Add</i>	5,332.36	
			<i>For K20 Factor Rating, Add</i>	6,932.07	
26 22 13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,576.02	1,104.19
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	368.38	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	552.57	
			<i>For K4 Factor Rating, Add</i>	5,157.36	
			<i>For K13 Factor Rating, Add</i>	7,367.65	
			<i>For K20 Factor Rating, Add</i>	9,577.95	
26 22 13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,696.89	1,369.19
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	447.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	671.89	
			<i>For K4 Factor Rating, Add</i>	6,270.96	
			<i>For K13 Factor Rating, Add</i>	8,958.51	
			<i>For K20 Factor Rating, Add</i>	11,646.06	
26 22 13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	16,475.01	1,678.36
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	655.91	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	983.87	
			<i>For K4 Factor Rating, Add</i>	9,182.80	
			<i>For K13 Factor Rating, Add</i>	13,118.29	
			<i>For K20 Factor Rating, Add</i>	17,053.78	
26 22 13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	36,061.92	2,010.14
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,599.93	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,399.89	
			<i>For K4 Factor Rating, Add</i>	22,398.96	
			<i>For K13 Factor Rating, Add</i>	31,998.52	
			<i>For K20 Factor Rating, Add</i>	41,598.08	
26 22 13 00-0113	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	47,018.61	2,208.37
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,130.09	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,195.14	
			<i>For K4 Factor Rating, Add</i>	29,821.31	
			<i>For K13 Factor Rating, Add</i>	42,601.87	
			<i>For K20 Factor Rating, Add</i>	55,382.43	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0114		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	1,654.02 678.59 969.42 1,260.25	342.29
26 22 13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	1,972.58 870.67 1,243.82 1,616.97	364.38
26 22 13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	2,501.68 85.33 128.00 1,194.67 1,706.67 2,218.67	397.51
26 22 13 00-0118		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,540.32 178.43 267.65 2,498.04 3,568.63 4,639.22	485.84
26 22 13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	5,119.52 198.56 297.84 2,779.82 3,971.17 5,162.52	574.18
26 22 13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	7,364.71 301.98 452.98 4,227.78 6,039.68 7,851.58	662.51
26 22 13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,208.21 380.91 571.36 5,332.73 7,618.19 9,903.65	795.01
26 22 13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	11,014.67 462.40 693.60 6,473.58 9,247.97 12,022.36	883.34
26 22 13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	14,090.22 594.09 891.14 8,317.30 11,881.85 15,446.41	1,104.19
26 22 13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	17,159.12 721.04 1,081.56 10,094.52 14,420.74 18,746.96	1,369.19
26 22 13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	27,042.02 1,184.27 1,776.40 16,579.71 23,685.30 30,790.89	1,678.36
26 22 13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,364.48	397.51
26 22 13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,457.82	485.84
26 22 13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,934.08	574.18
26 22 13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,232.45	662.51
26 22 13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,159.97	795.01
26 22 13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	11,056.88	883.34
26 22 13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,936.86	1,104.19
26 22 13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	20,157.85	1,369.19

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small>		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,679.58	397.51
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,955.34	485.84
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,690.92	574.18
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	7,212.43	662.51
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,673.66	795.01
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,915.83	883.34
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	15,082.26	1,104.19
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	23,642.05	1,369.19
26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	2,886.15	393.29
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,520.49	480.69
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,245.79	568.08
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,717.16	655.48
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,662.77	786.57
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,548.60	873.98
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,670.11	1,092.47
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,864.25	1,354.65
26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,517.86	393.29
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,285.67	480.69
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,178.89	568.08
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,039.23	655.48
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,027.35	786.57
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,888.79	873.98
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,815.87	1,092.47
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,410.73	1,354.65
26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,147.02	393.29
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,052.99	480.69
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,112.00	568.08
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,359.18	655.48
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,749.01	786.57
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,228.98	873.98
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,961.64	1,092.47
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	26,957.22	1,354.65
26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
Note: Two taps at 2.5%, four at -2.5%.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	3,936.58	393.29
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,797.93	480.69
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,799.54	568.08
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,919.19	655.48
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,774.52	786.57
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	13,529.69	873.98
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,020.03	1,092.47
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,599.01	1,354.65
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,565.74	393.29
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,565.24	480.69
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,732.65	568.08
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,241.27	655.48
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,124.34	786.57
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,835.98	873.98
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,772.69	1,092.47
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	33,992.68	1,354.65
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,197.02	393.29
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,332.55	480.69
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,665.75	568.08
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,561.21	655.48
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,815.24	786.57
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,740.56	873.98
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,523.22	1,092.47
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	40,696.55	1,354.65
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	414.61	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	704.08	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	535.70	157.19
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	494.15	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification.....	174.41	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	138.07	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small>		
Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA.....	4,304.46	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,079.87	
26 22 13 00-0220 EA Containment Area For 112.5 KVA.....	4,304.46	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,079.87	
26 22 13 00-0221 EA Containment Area For 150 KVA.....	4,304.46	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,079.87	
26 22 13 00-0222 EA Containment Area For 225 KVA.....	4,304.46	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,079.87	
26 22 13 00-0223 EA Containment Area For 300 KVA.....	4,298.65	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,078.13	
26 22 13 00-0224 EA Containment Area For 500 KVA.....	4,298.65	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,078.13	
26 22 13 00-0225 EA Containment Area For 750 KVA.....	4,319.00	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,078.13	
26 22 13 00-0226 EA Containment Area For 1,000 KVA.....	4,614.03	1,619.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,078.13	
26 22 13 00-0227 Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small>		
Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,486.25	1,048.77
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,922.27	1,048.77
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,212.94	1,048.77
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,084.97	1,048.77
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,934.57	1,573.16
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,225.24	1,573.16
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,713.35	1,573.16
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,041.98	2,097.54
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,820.76	2,097.54
26 22 13 00-0237 Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small>		
Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,631.59	1,048.77
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,212.94	1,048.77
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,358.28	1,048.77
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,503.62	1,048.77
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,934.57	1,573.16
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,515.92	1,573.16
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,713.35	1,573.16
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,187.31	2,097.54
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	18,820.76	2,097.54
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small>		
Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,392.09	1,388.62
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	10,442.84	1,639.29
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	11,976.22	2,003.58
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	14,071.74	2,254.25
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	16,681.87	2,372.83
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	21,101.26	3,467.04
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	24,546.13	3,922.40
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	30,156.81	4,508.50
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	32,933.39	4,733.93
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	35,218.12	5,275.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	39,817.17	5,635.81
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	35,018.92	3,894.86
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	42,770.95	4,479.12
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	48,246.58	4,714.83
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	51,511.66	5,269.53
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	57,261.76	5,429.21
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase <small>(26 22 13 00-0209)</small>		
<small>Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	15,048.98	1,639.29
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,526.73	2,003.58
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,231.72	2,254.25
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,756.05	2,372.83
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	28,233.46	3,467.04
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	35,116.03	3,922.40
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	42,366.81	4,508.50
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	47,811.98	4,733.93
26 22 13 00-0274 Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	139.56	29.16
<small>Note: Excludes site prep.</small>		
26 24 Switchboards And Panelboards <small>(26 24)</small>		
26 24 13 Switchboards <small>(26 24)</small>		
<small>Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.</small>		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002 Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small>		
<small>Note: Copper bus, non-metering type, with fuses.</small>		
26 24 13 00-0003 EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,490.38	751.97
26 24 13 00-0004 EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,885.85	795.39
26 24 13 00-0005 EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	6,515.62	902.25
26 24 13 00-0006 EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	7,021.60	967.24
26 24 13 00-0007 EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	11,592.30	1,031.28
26 24 13 00-0008 EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	12,961.39	1,096.54
26 24 13 00-0009 EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,324.96	751.97
26 24 13 00-0010 EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	5,644.73	795.39
26 24 13 00-0011 EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	7,996.87	903.02
26 24 13 00-0012 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,106.48	967.24
26 24 13 00-0013 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,592.30	1,032.32
26 24 13 00-0014 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	12,961.39	1,096.54
26 24 13 00-0015 EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	15,686.68	1,146.40
26 24 13 00-0016 EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	17,820.92	1,228.16
26 24 13 00-0017 EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	21,118.05	1,323.93
26 24 13 00-0018 EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,271.08	666.27
26 24 13 00-0019 EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,527.87	709.33
26 24 13 00-0020 EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,892.78	816.54
26 24 13 00-0021 EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,134.51	850.84
26 24 13 00-0022 EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,354.65	881.53
26 24 13 00-0023 EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,689.89	945.15
26 24 13 00-0024 EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,992.99	1,009.97
26 24 13 00-0025 Branch Breaker Units <small>(26 24 13 00-0001)</small>		
<small>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.</small>		
26 24 13 00-0026 EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	323.30	26.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	15.73	
26 24 13 00-0027 EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	471.89	41.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.76	
26 24 13 00-0028 EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	1,289.74	75.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	45.13	
26 24 13 00-0029 EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	2,312.09	98.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	58.80	
26 24 13 00-0030 EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	4,076.99	240.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	144.41	
26 24 13 00-0031 EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	6,617.97	240.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	144.41	
26 24 13 00-0032 EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	10,705.35	428.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	257.39	



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 13 00-0033	Fusible Switch Type 480 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0034	Incoming Service Section Main Device Only <small>(26 24 13 00-0033)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	4,963.09	975.76
26 24 13 00-0036	EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	5,576.08	975.76
26 24 13 00-0037	EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	8,516.99	1,268.05
26 24 13 00-0038	EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	9,697.81	1,268.05

26 24 13 00-0039	Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0040	Incoming Service Section Main Device Only <small>(26 24 13 00-0039)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	3,147.19	666.27
26 24 13 00-0042	EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	3,524.56	709.33
26 24 13 00-0043	EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	5,569.05	816.54
26 24 13 00-0044	EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire	6,054.76	880.84
26 24 13 00-0045	EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,939.45	666.27
26 24 13 00-0046	EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,058.29	709.33
26 24 13 00-0047	EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,214.51	816.54
26 24 13 00-0048	EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	10,542.54	880.84
26 24 13 00-0049	EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	12,405.24	988.65
26 24 13 00-0050	EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,132.19	580.21
26 24 13 00-0051	EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,406.27	623.36
26 24 13 00-0052	EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,825.52	730.57
26 24 13 00-0053	EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,054.97	764.87
26 24 13 00-0054	EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,278.63	795.39
26 24 13 00-0055	EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,565.53	850.84
26 24 13 00-0056	EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,847.84	902.25
26 24 13 00-0057	EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,778.29	1,117.60
26 24 13 00-0058	EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,364.06	1,225.06
26 24 13 00-0059	EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,386.69	1,321.78

26 24 13 00-0060	Branch Breaker Units <small>(26 24 13 00-0039)</small>		
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	168.47	22.78
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
26 24 13 00-0062	EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt	266.60	37.82
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.70	
26 24 13 00-0063	EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	850.61	52.87
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.73	
26 24 13 00-0064	EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt	2,497.37	67.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.75	
26 24 13 00-0065	EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt	3,897.81	165.49
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.29	
26 24 13 00-0066	EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt	5,583.90	165.49
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.29	
26 24 13 00-0067	EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt	9,180.89	315.94
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	189.58	

26 24 13 00-0068	Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0069	Incoming Service Section Main Device Only <small>(26 24 13 00-0068)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,491.43	751.97
26 24 13 00-0071	EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	3,884.68	795.39
26 24 13 00-0072	EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	6,514.10	902.25
26 24 13 00-0073	EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	7,019.85	967.24
26 24 13 00-0074	EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	11,588.34	1,031.28
26 24 13 00-0075	EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire	12,961.39	1,096.54
26 24 13 00-0076	EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,326.01	751.97
26 24 13 00-0077	EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,643.56	795.39
26 24 13 00-0078	EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,996.87	903.02
26 24 13 00-0079	EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,104.73	967.24
26 24 13 00-0080	EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,590.31	1,032.32
26 24 13 00-0081	EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	12,961.39	1,096.54
26 24 13 00-0082	EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,404.02	666.27
26 24 13 00-0083	EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,710.29	709.33
26 24 13 00-0084	EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,166.88	816.54
26 24 13 00-0085	EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,425.02	850.84
26 24 13 00-0086	EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,676.04	881.53
26 24 13 00-0087	EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,997.88	945.15
26 24 13 00-0088	EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,323.94	1,009.97
26 24 13 00-0089	EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,164.98	1,147.70
26 24 13 00-0090	EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,741.35	1,228.07
26 24 13 00-0091	EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,861.04	1,319.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0092			Branch Breaker Units <small>(26 24 13 00-0068)</small>		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA		15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	323.30	26.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 24 13 00-0094	EA		70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	471.89	41.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.76	
26 24 13 00-0095	EA		125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	1,289.74	75.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.13	
26 24 13 00-0096	EA		100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	2,312.09	98.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.80	
26 24 13 00-0097	EA		300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	4,076.99	240.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41	
26 24 13 00-0098	EA		400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	6,617.97	240.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41	
26 24 13 00-0099	EA		600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	10,705.35	428.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.39	
26 24 13 00-0100			Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0101			Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small>		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA		400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,490.17	1,031.28
26 24 13 00-0103	EA		600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,950.77	1,096.54
26 24 13 00-0104	EA		800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,253.90	1,223.95
26 24 13 00-0105	EA		1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,946.75	1,310.52
26 24 13 00-0106	EA		400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,907.10	1,031.28
26 24 13 00-0107	EA		600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,126.58	1,096.54
26 24 13 00-0108	EA		800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,218.73	1,225.32
26 24 13 00-0109	EA		1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	11,791.24	1,310.52
26 24 13 00-0110	EA		1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	12,320.57	1,397.44
26 24 13 00-0111	EA		2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	13,736.84	1,484.26
26 24 13 00-0112	EA		400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,404.02	666.27
26 24 13 00-0113	EA		600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,710.29	709.33
26 24 13 00-0114	EA		800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,166.88	816.54
26 24 13 00-0115	EA		1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,425.02	850.84
26 24 13 00-0116	EA		1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,676.04	881.53
26 24 13 00-0117	EA		1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,997.88	945.15
26 24 13 00-0118	EA		2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,323.94	1,009.97
26 24 13 00-0119			Branch Breaker Units <small>(26 24 13 00-0100)</small>		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA		15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	687.26	26.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.73	
26 24 13 00-0121	EA		70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	785.07	41.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.76	
26 24 13 00-0122	EA		125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,423.47	75.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.13	
26 24 13 00-0123	EA		100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	2,312.09	98.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.80	
26 24 13 00-0124	EA		300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	5,536.23	240.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41	
26 24 13 00-0125	EA		400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	5,666.58	240.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41	
26 24 13 00-0126	EA		600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	9,064.97	428.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	257.39	
26 24 13 00-0127			Fusible Branch Circuit Switch <small>(26 24 13)</small>		
			Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128			240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129	EA		30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	682.06	67.49
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0130	EA		30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	679.53	67.49
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0131	EA		60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	679.53	67.49
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0132	EA		60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,077.40	88.98
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0133	EA		100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,077.40	88.98
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0134			240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135	EA		100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	787.29	66.19
			<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0136	EA		200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,167.46	66.19
			<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0137	EA		400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,995.40	178.38

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0138			240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139	EA		30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	880.75	76.08
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0140	EA		30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	878.21	76.08
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0141	EA		60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	878.21	76.08
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0142	EA		60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,331.12	101.87
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0143	EA		100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,331.12	101.87
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0144			240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145	EA		100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	956.98	74.79
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0146	EA		200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,576.72	74.79
			<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0147	EA		400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,037.01	199.71
26 24 13 00-0148	EA		600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,783.99	255.84
26 24 13 00-0149	EA		800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,849.06	346.63
26 24 13 00-0150			600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151	EA		30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,264.51	76.08
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0152	EA		30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,261.95	76.08
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0153	EA		60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,264.51	76.08
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0154	EA		60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,910.17	101.87
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0155	EA		100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,953.02	101.87
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0156	EA		200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,212.36	133.26
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0157			600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158	EA		100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,370.31	74.79
			<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0159	EA		200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	2,101.46	74.79
			<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0160	EA		400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	5,101.41	199.71
			<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0161	EA		600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,186.87	255.84
26 24 13 00-0162	EA		800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,849.06	346.63
26 24 13 00-0163			Service And Distribution Structures (26 24 13)		
26 24 13 00-0164			Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165			600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166	EA		14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,171.60	790.92
26 24 13 00-0167	EA		24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,626.52	790.92
26 24 13 00-0168	EA		34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,924.19	1,005.84
26 24 13 00-0169	EA		42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,201.93	1,005.84
26 24 13 00-0170			800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171	EA		14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,424.35	915.58
26 24 13 00-0172	EA		24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,868.29	915.58
26 24 13 00-0173	EA		34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,201.93	1,134.80
26 24 13 00-0174	EA		42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,451.43	1,134.80
26 24 13 00-0175			1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176	EA		14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,815.54	1,117.60
26 24 13 00-0177	EA		24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,268.87	1,117.60
26 24 13 00-0178	EA		34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,622.00	1,375.51
26 24 13 00-0179	EA		42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,987.52	1,375.51
26 24 13 00-0180			1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181	EA		14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,578.96	1,225.06
26 24 13 00-0182	EA		24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,107.43	1,225.06
26 24 13 00-0183	EA		34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,523.23	1,513.06
26 24 13 00-0184	EA		42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,841.64	1,513.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,738.34	1,229.36
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,304.24	1,384.11
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,413.01	1,384.11
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,581.72	1,461.48
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,338.41	1,384.11
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,445.56	1,384.11
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,614.27	1,461.48
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,448.63	1,461.48
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,614.27	1,461.48
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,675.19	1,461.48
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	500.01	103.16
26 24 13 00-0200 EA Drilled Bottom.....	562.93	103.16
26 24 13 00-0201 EA Cable Supports In Pull Box.....	210.11	25.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.33	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	475.26	120.36
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	843.32	154.74
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	843.32	154.74
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	623.99	120.36
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	906.35	176.24
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,029.06	176.24
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,071.74	227.82
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,123.76	227.82
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,918.63	716.39
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,295.41	778.71
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,376.50	995.01
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,881.65	1,085.45
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,273.90	1,155.51
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt.....	4,787.44	628.44
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp.....	2,591.84	596.97
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp.....	2,879.87	647.35
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	2,962.07	716.39
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,221.40	718.27
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,555.55	801.92
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	139.39	42.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.25	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	171.10	43.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.01	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	863.98	51.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.82	
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,448.57	111.33
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.04	
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	560.98	155.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.73	
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,663.77	89.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.82	
26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,030.41	373.10
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,902.96	504.56
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,229.74	614.07
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,025.21	859.69
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,982.72	1,074.62
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,553.46	1,074.62
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,796.17	1,432.85
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,890.53	1,432.85
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	9,266.90	1,705.72
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	11,280.63	1,705.72
26 24 13 00-0240 Main Devices (26 24 13)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 13 00-0241	Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242	DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
	Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip .....7,357.15		902.68
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	540.46	
26 24 13 00-0244	EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip .....13,505.10		1,504.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.78	
26 24 13 00-0245	EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip .....30,917.67		2,527.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,502.96	
26 24 13 00-0246	EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip .....49,732.85		4,092.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,499.11	
26 24 13 00-0247	EA Ground-Fault Trip All Power Breakers - Factory Installed.....2,740.47		
26 24 13 00-0248	EA Key Interlock All Power Breakers - Factory Installed .....353.92		
26 24 13 00-0249	EA Short Time Delay Selective Trip - Factory Installed .....464.32		
26 24 13 00-0250	EA Shunt Trip Manually Open Breakers - Factory Installed.....334.44		
26 24 13 00-0251	DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
	Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip .....8,680.03		945.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	570.09	
26 24 13 00-0253	EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip .....16,227.98		1,590.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	949.59	
26 24 13 00-0254	EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip .....34,836.53		2,622.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,580.32	
26 24 13 00-0255	EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip .....53,610.43		4,298.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,642.50	
26 24 13 00-0256	DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
	Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip .....5,793.18		825.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	495.98	
26 24 13 00-0258	EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip .....10,676.47		1,384.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	826.63	
26 24 13 00-0259	EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip .....15,679.26		2,321.18
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,377.71	
26 24 13 00-0260	EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....27,138.63		3,739.67
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,294.56	
26 24 13 00-0261	EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip .....44,086.62		6,103.83
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,815.21	
26 24 13 00-0262	DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
	Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....6,940.88		790.92
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.05	
26 24 13 00-0264	EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....13,043.80		1,323.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	788.23	
26 24 13 00-0265	EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....18,390.49		2,200.82
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,315.86	
26 24 13 00-0266	EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....30,331.54		3,584.92
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,193.10	
26 24 13 00-0267	EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....47,209.34		6,146.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,663.47	
26 24 13 00-0268	Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269	EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional .....2,264.91		722.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.98	
26 24 13 00-0270	EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional .....3,461.30		722.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.47	
26 24 13 00-0271	EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional .....3,844.98		859.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	495.98	
26 24 13 00-0272	EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional .....4,620.78		859.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	537.31	
26 24 13 00-0273	EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional .....7,057.31		1,031.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	588.83	
26 24 13 00-0274	EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional .....11,692.76		1,031.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	651.28	
26 24 13 00-0275	EA Shunt Trip, Factory Installed .....350.68		
26 24 13 00-0276	EA Groundfault Trip Complete Interrupting Circuit, Factory Installed .....81.18		
26 24 13 00-0277	Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278	EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker .....518.99		62.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.38	
26 24 13 00-0279	EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker .....606.84		82.70
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0280 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,821.25	124.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.71	
26 24 13 00-0281 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,412.25	156.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.71	
26 24 13 00-0282 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,907.84	209.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.69	
26 24 13 00-0283 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,502.71	268.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.19	
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,647.13	409.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.63	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,647.13	409.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.63	
26 24 13 00-0286 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,921.05	573.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	343.88	
26 24 13 00-0287 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	9,799.87	859.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	515.82	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amp, Switchboard 277/480 Volt Main Breaker.....	6,467.07	373.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.88	
26 24 13 00-0290 EA 600 Amp, Switchboard 277/480 Volt Main Breaker.....	6,538.01	408.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.16	
26 24 13 00-0291 EA 800 Amp, Switchboard 277/480 Volt Main Breaker.....	6,948.94	614.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	368.44	
26 24 13 00-0292 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	11,996.66	859.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	515.82	
26 24 13 00-0293 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	12,179.24	950.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	570.59	
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	15,816.89	1,705.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,023.44	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	343.07	30.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 13 00-0298 EA 70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	350.66	38.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 13 00-0299 EA 125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	817.47	46.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 13 00-0300 EA 70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,181.26	60.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 13 00-0301 EA 125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,659.64	74.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.52	
26 24 13 00-0302 EA 300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,167.93	86.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.03	
26 24 13 00-0303 EA 900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,289.89	98.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.51	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	237.45	23.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 13 00-0306 EA 70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	305.72	30.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 13 00-0307 EA 125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	810.31	38.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,273.27	42.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.37	
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,351.79	55.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.40	
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,037.77	81.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.16	
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)		
Note: Factory installed accessories.		
26 24 13 00-0312 Instrument Transformers And Metering Compartments (26 24 13 00-0311)		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	423.73	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	612.06	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	720.83	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	519.52	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,663.03	
26 24 13 00-0318 EA 1,000 To 1,500 Amp, Three Current Transformers.....	2,985.30	
26 24 13 00-0319 EA 2,000 To 4,000 Amp, Three Current Transformers.....	3,884.67	
26 24 13 00-0320 Instruments (26 24 13 00-0311)		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0321	EA		AC Voltmeter.....	577.97	
26 24 13 00-0322	EA		AC Ammeter	577.97	
26 24 13 00-0323	EA		AC Wattmeter	1,543.95	
26 24 13 00-0324	EA		Variometer	1,743.64	
26 24 13 00-0325	EA		Power Factor Meter.....	1,392.96	
26 24 13 00-0326	EA		Frequency Meter.....	1,537.45	
26 24 13 00-0327	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,956.32	
26 24 13 00-0328	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,272.97	
26 24 13 00-0329	EA		Weatherproof, Modify Meter.....	3,015.11	
26 24 13 00-0330	EA		Control Switch Resistor Type 130 V.....	66.91	
26 24 13 00-0331	EA		Metering Instrument Volt, Amp And Watt Hour	3,948.03	

26 24 16 Panelboards (26 24)

26 24 16 00-0001 Branch Circuit Panelboard (26 24 16)

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)

Note: Includes main lugs or breaker (as indicated), 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0004	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	928.64	245.01
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0005	EA		100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,062.48	245.01
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0006	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,203.26	339.58
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0007	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,338.21	339.58
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0008	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,473.72	425.55
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0009	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,616.21	425.55
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0010	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,744.09	490.03
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0011	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,074.26	627.57
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0012	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,209.54	627.57
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0013	EA		225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,807.99	717.85
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0014	EA		225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,014.65	717.85
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0015	EA		225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,145.16	808.11
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0016	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,332.54	808.11
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0017	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,453.18	894.08
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0018	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,647.76	894.08
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0019	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,865.15	988.65
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards And Panelboards	26 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0020	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	3,932.06	988.65
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0021	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,193.47	988.65
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0022			120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA		50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,028.03	236.42
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0024	EA		50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	1,163.74	236.42
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0025	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,519.25	404.05
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0026	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,656.95	404.05
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0027	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,793.69	494.33
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0028	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,940.40	494.33
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0029	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	2,064.39	593.19
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0030	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,949.39	593.19
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0031	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	3,074.40	726.44
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0032	EA		225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	3,209.16	726.44
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0033	EA		225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,355.63	816.71
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0034	EA		225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,476.65	816.71
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0035	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,604.90	894.08
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0036	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,741.47	894.08
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0037	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,887.74	1,057.42
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0038	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	4,045.35	1,057.42
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0039	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,216.37	1,057.42
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0040	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	4,325.23	1,117.60
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0041			120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,290.78	279.40
			<i>For NEMA 3R Panelboard, Add</i>	758.59	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0043	EA		100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,442.02 758.59	279.40
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0044	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,615.06 758.59	373.97
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0045	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,798.74 758.59	373.97
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0046	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,962.18 758.59	459.93
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0047	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,136.17 758.59	459.93
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0048	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,301.10 758.59	545.91
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0049	EA		100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,467.68 834.24 60.96	545.91
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0050	EA		100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,626.90 834.24 60.96	640.47
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0051	EA		100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,810.35 834.24 60.96	640.47
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0052	EA		100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,993.52 834.24 60.96	739.34
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0053	EA		100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,176.93 834.24 60.96	739.34
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0054	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,531.72 985.44 104.11	894.08
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0055	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,648.65 985.44 104.11	894.08
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0056	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	3,864.76 985.44 104.11	992.94
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0057	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,054.92 985.44 104.11	992.94
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0058	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,194.66 1,025.64 133.06	1,083.22
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0059	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	4,378.54 1,025.64 133.06	1,083.22
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0060	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,330.99 985.44 104.11	961.13
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0061	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,460.28 985.44 104.11	1,010.14
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0062	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,685.04 985.44 104.11	1,063.88
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0063	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,887.91 985.44 104.11	1,126.20
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0064	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,034.89 1,025.64 133.06	1,160.58
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0065	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,262.76 1,025.64 133.06	1,231.51
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067	EA	50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,570.17 758.59	270.80
26 24 16 00-0068	EA	50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,723.15 758.59	270.80
26 24 16 00-0069	EA	50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,908.51 758.59	356.77
26 24 16 00-0070	EA	50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,178.70 758.59	356.77
26 24 16 00-0071	EA	100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,534.36 758.59	537.31
26 24 16 00-0072	EA	100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,695.01 758.59	537.31
26 24 16 00-0073	EA	100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,866.91 758.59	627.57
26 24 16 00-0074	EA	100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,007.41 834.24 60.96	627.57
26 24 16 00-0075	EA	100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,201.52 834.24 60.96	726.44
26 24 16 00-0076	EA	100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,329.07 834.24 60.96	726.44
26 24 16 00-0077	EA	100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,547.86 834.24 60.96	816.71
26 24 16 00-0078	EA	100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,738.72 834.24 60.96	816.71
26 24 16 00-0079	EA	225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,009.18 985.44 104.11	945.66
26 24 16 00-0080	EA	225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,218.29 985.44 104.11	997.24
26 24 16 00-0081	EA	225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,300.00 985.44 104.11	997.24
26 24 16 00-0082	EA	225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,530.91 985.44 104.11	1,126.20
26 24 16 00-0083	EA	225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,703.14 1,025.64 133.06	1,126.20
26 24 16 00-0084	EA	225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,800.21 1,025.64 133.06	1,126.20
26 24 16 00-0085	EA	400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,978.98 985.44 104.11	1,035.94
26 24 16 00-0086	EA	400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,204.14 985.44 104.11	1,096.10
26 24 16 00-0087	EA	400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,287.78 985.44 104.11	1,126.20
26 24 16 00-0088	EA	400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,534.81 985.44 104.11	1,194.98

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0089	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,705.25 1,025.64 133.06	1,229.36
26 24 16 00-0090	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,853.79 1,025.64 133.06	1,272.35
26 24 16 00-0091			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,478.71 758.59	275.10
26 24 16 00-0093	EA		100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,681.97 758.59	275.10
26 24 16 00-0094	EA		100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,877.86 758.59	378.27
26 24 16 00-0095	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,081.10 758.59	378.27
26 24 16 00-0096	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,272.30 758.59	472.83
26 24 16 00-0097	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,472.46 758.59	472.83
26 24 16 00-0098	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,680.26 758.59	571.69
26 24 16 00-0099	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,872.77 834.24 60.96	571.69
26 24 16 00-0100	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,081.96 834.24 60.96	679.16
26 24 16 00-0101	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,284.77 834.24 60.96	679.16
26 24 16 00-0102	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,473.22 834.24 60.96	773.73
26 24 16 00-0103	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,673.37 834.24 60.96	773.73
26 24 16 00-0104	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,091.02 985.44 104.11	941.36
26 24 16 00-0105	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,290.97 985.44 104.11	941.36
26 24 16 00-0106	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,502.26 985.44 104.11	1,031.64
26 24 16 00-0107	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,663.12 985.44 104.11	1,031.64
26 24 16 00-0108	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,895.46 1,025.64 133.06	1,139.10
26 24 16 00-0109	EA		225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,068.33 1,025.64 133.06	1,139.10
26 24 16 00-0110			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA		50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,894.28 758.59	292.30
26 24 16 00-0112	EA		50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,093.46 758.59	318.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0113 EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,294.59	395.46
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0114 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,062.74	481.43
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0115 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	3,267.47	533.01
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0116 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,457.09	575.99
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0117 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,662.61	627.57
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0118 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,861.66	679.16
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0119 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,046.66	722.14
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0120 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,242.67	765.13
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0121 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,451.97	816.71
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0122 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,677.57	881.19
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,021.01	980.05
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,238.73	1,040.23
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,403.22	1,066.02
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,643.94	1,134.80
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	6,821.62	1,177.78
<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	7,004.62	1,214.75
<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	2,196.28	300.89
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,569.86	300.89
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,938.20	399.76
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	3,308.15	399.76
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0134 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	3,681.32	494.33
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0135 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	4,050.33	494.33
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0136 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	4,422.58	593.19
<i>For NEMA 3R Panelboard, Add</i>	758.59	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	16 00-0137	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	4,793.98	593.19
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0138	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	5,183.88	696.35
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0139	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	5,538.35	696.35
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0140	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	5,903.18	700.65
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0141	EA	100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	6,280.48	700.65
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0142	EA	225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	6,890.47	971.46
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0143	EA	225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	7,268.57	971.46
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0144	EA	225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	7,598.80	1,023.04
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0145	EA	225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	7,996.22	1,091.82
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24	16 00-0146	EA	225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	8,337.44	1,091.82
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0147	EA	225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	8,760.06	1,194.98
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24	16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24	16 00-0149	EA	50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	2,670.44	369.67
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0150	EA	50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	3,048.79	369.67
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0151	EA	50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	3,419.35	490.03
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0152	EA	100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	4,103.69	490.03
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0153	EA	100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	4,482.23	618.98
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0154	EA	100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	4,860.47	618.98
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0155	EA	100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	5,232.24	709.25
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24	16 00-0156	EA	100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,589.96	709.25
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0157	EA	100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,958.69	808.11
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0158	EA	100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	6,340.71	808.11
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24	16 00-0159	EA	100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	6,695.36	894.08
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards And Panelboards	26 24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0160	EA		100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....7,058.33	894.08	
			<i>For NEMA 3R Panelboard, Add</i> .....834.24		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....60.96		
26 24 16 00-0161	EA		225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....9,514.88	1,057.42	
			<i>For NEMA 3R Panelboard, Add</i> .....985.44		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0162	EA		225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....9,912.30	1,057.42	
			<i>For NEMA 3R Panelboard, Add</i> .....985.44		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0163	EA		225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....10,253.52	1,156.28	
			<i>For NEMA 3R Panelboard, Add</i> .....985.44		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0164	EA		225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....10,676.14	1,156.28	
			<i>For NEMA 3R Panelboard, Add</i> .....985.44		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0165	EA		225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....11,031.86	1,263.75	
			<i>For NEMA 3R Panelboard, Add</i> .....1,025.64		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0166	EA		225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....7,895.33	1,263.75	
			<i>For NEMA 3R Panelboard, Add</i> .....1,025.64		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0167	EA		400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity .....13,231.55	1,407.32	
			<i>For NEMA 3R Panelboard, Add</i> .....1,025.64		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0168	EA		600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity .....16,157.67	1,689.29	
			<i>For NEMA 3R Panelboard, Add</i> .....1,025.64		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0169			Unassembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0170			240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0169) Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171			Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		
26 24 16 00-0172	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....600.07		
26 24 16 00-0173	EA		100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....687.51		
26 24 16 00-0174	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....923.30		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....60.96		
26 24 16 00-0175	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,063.09		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0176	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,200.54		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0177	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,336.87		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....60.96		
26 24 16 00-0178	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,449.09		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0179	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,584.09		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0180	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,676.14		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....60.96		
26 24 16 00-0181	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,786.41		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....104.11		
26 24 16 00-0182	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....1,944.06		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....133.06		
26 24 16 00-0183			Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	888.98	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,002.38	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,596.21	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,766.49	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,924.05	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	3,418.02	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	3,596.92	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	3,761.89	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,247.43	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,327.48	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,547.84	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,684.56	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,810.29	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,066.23	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,170.44	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,298.04	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,446.80	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,552.91	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,699.16	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,528.94	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,634.33	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,340.36	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,495.85	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	2,642.31	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	4,120.86	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	4,292.37	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	4,455.49	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	673.95	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	790.33	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard.....	885.20	
For Door-In-Door (Hinged) Trim Front, Add	60.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	992.87	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,141.22	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,261.51	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,453.15	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,563.09	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,683.04	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,805.99	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,998.81	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,380.51	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,044.88	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,176.80	
26 24 16 00-0230 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,329.65	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0231 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,991.63	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0232 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,153.77	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0233 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,297.80	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0234 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,208.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0235 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,371.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0236 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,508.74	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,321.31	
26 24 16 00-0239 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,430.29	
26 24 16 00-0240 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,517.15	
26 24 16 00-0241 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,617.42	
26 24 16 00-0242 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,762.68	
26 24 16 00-0243 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,871.26	
26 24 16 00-0244 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,182.51	
26 24 16 00-0245 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,284.44	
26 24 16 00-0246 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,396.98	
26 24 16 00-0247 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,576.65	
26 24 16 00-0248 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,755.30	
26 24 16 00-0249 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,137.00	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>	
26 24 16 00-0251	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,684.84
26 24 16 00-0252	EA	100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,808.75
26 24 16 00-0253	EA	100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,957.28
26 24 16 00-0254	EA	225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,735.78
26 24 16 00-0255	EA	225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,883.13
26 24 16 00-0256	EA	225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,016.06
26 24 16 00-0257	EA	400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,557.32
26 24 16 00-0258	EA	400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,727.41
26 24 16 00-0259	EA	400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,875.22
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>	
		Note: As manufactured by Square D or equal.	
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>	
26 24 16 00-0262	EA	125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	983.47
26 24 16 00-0263	EA	125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,073.97
26 24 16 00-0264	EA	250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,473.74
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96
26 24 16 00-0265	EA	250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,638.80
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11
26 24 16 00-0266	EA	250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,781.09
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06
26 24 16 00-0267	EA	400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,759.30
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96
26 24 16 00-0268	EA	400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,848.55
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11
26 24 16 00-0269	EA	400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,004.97
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06
26 24 16 00-0270	EA	600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,066.99
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96
26 24 16 00-0271	EA	600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,214.97
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11
26 24 16 00-0272	EA	600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,414.76
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06
26 24 16 00-0273		Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>	
26 24 16 00-0274	EA	100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,045.47
26 24 16 00-0275	EA	100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,110.32
26 24 16 00-0276	EA	125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,289.00
26 24 16 00-0277	EA	125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,405.96
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96
26 24 16 00-0278	EA	125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,626.88
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11
26 24 16 00-0279	EA	250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,417.43
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96
26 24 16 00-0280	EA	250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,560.51
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,742.22	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,834.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,012.60	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,177.30	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0285)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,608.63	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,699.13	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,084.10	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,356.44	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,486.40	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,464.62	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,535.37	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,665.27	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,788.95	
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,921.76	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,088.91	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0297)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,803.81	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,868.66	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,904.91	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,016.33	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,344.53	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,122.74	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,247.33	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,402.53	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,495.15	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,655.89	
26 24 16 00-0308 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,817.89	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,025.39	
26 24 16 00-0312 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,116.51	
26 24 16 00-0313 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,289.03	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0314 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,535.42	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0315 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,701.81	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0316 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,842.90	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0317 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,840.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0318 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	1,949.66 104.11	
26 24 16 00-0319 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,104.94 133.06	
26 24 16 00-0320 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,167.28 60.96	
26 24 16 00-0321 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,315.71 104.11	
26 24 16 00-0322 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,516.15 133.06	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,261.26	
26 24 16 00-0325 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,326.72	
26 24 16 00-0326 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,519.01 60.96	
26 24 16 00-0327 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,585.60	
26 24 16 00-0328 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,703.11 60.96	
26 24 16 00-0329 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,923.39 104.11	
26 24 16 00-0330 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,765.46 60.96	
26 24 16 00-0331 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,910.27 104.11	
26 24 16 00-0332 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,090.06 133.06	
26 24 16 00-0333 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,251.88 60.96	
26 24 16 00-0334 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,431.47 104.11	
26 24 16 00-0335 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,595.93 133.06	
26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,650.55	
26 24 16 00-0338 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,741.67	
26 24 16 00-0339 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	1,904.95	
26 24 16 00-0340 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,145.79	
26 24 16 00-0341 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,419.45	
26 24 16 00-0342 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,548.21	
26 24 16 00-0343 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,548.12	
26 24 16 00-0344 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,636.48	
26 24 16 00-0345 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,765.25	
26 24 16 00-0346 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	2,889.24	
26 24 16 00-0347 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	3,022.26	
26 24 16 00-0348 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled	3,189.40	
26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,871.63	
26 24 16 00-0351 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	2,937.09	
26 24 16 00-0352 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,236.66	
26 24 16 00-0353 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,201.52	
26 24 16 00-0354 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,313.48	
26 24 16 00-0355 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	3,641.03	
26 24 16 00-0356 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled	4,470.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0357 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,597.09	
26 24 16 00-0358 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,750.37	
26 24 16 00-0359 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,912.18	
26 24 16 00-0360 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,074.52	
26 24 16 00-0361 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,235.90	
26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0169)		
Note: Square D I-Line or equal.		
26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0364 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,664.92	255.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.50	
26 24 16 00-0365 EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,974.01	255.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.46	
26 24 16 00-0366 EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,206.73	255.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.46	
26 24 16 00-0367 EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,445.96	420.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	252.01	
26 24 16 00-0368 EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,626.08	420.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	252.01	
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,823.73	420.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	252.01	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,992.74	558.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	334.99	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,165.11	559.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	336.01	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,236.62	558.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	334.99	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,808.06	558.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	334.99	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,900.69	840.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	504.02	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,289.63	840.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	504.02	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,607.63	840.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	504.02	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,995.76	840.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	504.02	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,347.00	261.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.74	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,419.79	296.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	177.79	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,644.55	296.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	177.79	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,306.05	296.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	177.79	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,865.24	485.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	291.45	
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,236.03	487.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.22	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,542.69	485.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	291.45	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,660.57	649.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	389.63	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,101.51	647.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	388.25	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,539.86	647.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	388.25	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	42.09	15.47
<i>For Bolt-On, Add</i>	11.28	
<i>For Installation In New Panelboard, Deduct</i>	-8.60	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	42.09	15.47
<i>For Bolt-On, Add</i>	11.28	
<i>For Installation In New Panelboard, Deduct</i>	-8.60	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	60.78	19.34
<i>For Bolt-On, Add</i>	15.12	
<i>For Installation In New Panelboard, Deduct</i>	-10.75	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	89.68	18.91
<i>For Bolt-On, Add</i>	18.43	
<i>For Installation In New Panelboard, Deduct</i>	-10.32	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	124.67	18.91
<i>For Bolt-On, Add</i>	22.81	
<i>For Installation In New Panelboard, Deduct</i>	-10.32	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	144.63	18.91
<i>For Bolt-On, Add</i>	25.30	
<i>For Installation In New Panelboard, Deduct</i>	-10.32	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	70.40	18.91
<i>For Bolt-On, Add</i>	16.02	
<i>For Installation In New Panelboard, Deduct</i>	-10.32	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	69.38	23.21
<i>For Bolt-On, Add</i>	17.70	
<i>For Installation In New Panelboard, Deduct</i>	-12.90	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.47	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	69.38	23.21
<i>For Bolt-On, Add</i>	17.70	
<i>For Installation In New Panelboard, Deduct</i>	-12.90	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.47	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	104.39	30.95
<i>For Bolt-On, Add</i>	25.09	
<i>For Installation In New Panelboard, Deduct</i>	-17.20	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.63	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	172.03	38.68
<i>For Bolt-On, Add</i>	36.55	
<i>For Installation In New Panelboard, Deduct</i>	-21.49	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.79	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	202.56	42.98
<i>For Bolt-On, Add</i>	41.87	
<i>For Installation In New Panelboard, Deduct</i>	-23.64	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.37	
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	171.21	27.51
<i>For Bolt-On, Add</i>	32.23	
<i>For Installation In New Panelboard, Deduct</i>	-15.47	
Note: Also for use with new interiors in panelboards.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0404 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	228.45	27.51
For Bolt-On, Add	39.39	
For Installation In New Panelboard, Deduct	-15.47	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.57	
26 24 16 00-0405 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	131.09	30.95
For Bolt-On, Add	28.42	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0406 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	131.09	30.95
For Bolt-On, Add	28.42	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0407 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	171.69	38.68
For Bolt-On, Add	36.51	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0408 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	258.88	46.42
For Bolt-On, Add	50.41	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0409 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	329.94	54.16
For Bolt-On, Add	62.31	
For Installation In New Panelboard, Deduct	-30.09	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.11	
26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0411 EA 1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	60.23	15.47
For Bolt-On, Add	13.55	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0412 EA 1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	60.23	15.47
For Bolt-On, Add	13.55	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0413 EA 1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	107.14	19.34
For Bolt-On, Add	20.91	
For Installation In New Panelboard, Deduct	-10.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 24 16 00-0414 EA 1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	164.27	18.91
For Bolt-On, Add	27.76	
For Installation In New Panelboard, Deduct	-10.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 24 16 00-0415 EA 2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	117.12	23.21
For Bolt-On, Add	23.67	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0416 EA 2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	117.12	23.21
For Bolt-On, Add	23.67	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0417 EA 2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	229.81	30.95
For Bolt-On, Add	40.76	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0418 EA 2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	312.88	38.68
For Bolt-On, Add	54.15	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0419 EA 2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	458.94	42.98
For Bolt-On, Add	73.92	
For Installation In New Panelboard, Deduct	-23.64	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.37	
26 24 16 00-0420 EA 3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	186.48	30.95
For Bolt-On, Add	35.35	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0421	EA		3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	186.48	30.95
			For Bolt-On, Add	35.35	
			For Installation In New Panelboard, Deduct	-17.20	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0422	EA		3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	278.44	38.68
			For Bolt-On, Add	49.85	
			For Installation In New Panelboard, Deduct	-21.49	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0423	EA		3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	395.62	46.42
			For Bolt-On, Add	67.51	
			For Installation In New Panelboard, Deduct	-25.79	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0424	EA		3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	611.59	54.16
			For Bolt-On, Add	97.51	
			For Installation In New Panelboard, Deduct	-30.09	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.11	
26 24 16 00-0425	EA		3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	705.52	58.03
			For Bolt-On, Add	110.76	
			For Installation In New Panelboard, Deduct	-32.24	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.69	
26 24 16 00-0426	EA		3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	757.93	61.89
			For Bolt-On, Add	118.81	
			For Installation In New Panelboard, Deduct	-34.39	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.27	
26 24 16 00-0427	EA		3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	896.44	65.76
			For Bolt-On, Add	137.63	
			For Installation In New Panelboard, Deduct	-36.54	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.85	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>					
			Note: Includes connection of electrical wire.		
26 24 16 00-0429	EA		1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	72.15	15.47
			For Bolt-On, Add	15.04	
			For Installation In New Panelboard, Deduct	-8.60	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0430	EA		1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	72.15	15.47
			For Bolt-On, Add	15.04	
			For Installation In New Panelboard, Deduct	-8.60	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0431	EA		1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	118.91	19.34
			For Bolt-On, Add	22.39	
			For Installation In New Panelboard, Deduct	-10.75	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 24 16 00-0432	EA		2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	148.18	23.21
			For Bolt-On, Add	27.55	
			For Installation In New Panelboard, Deduct	-12.90	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0433	EA		2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	148.18	23.21
			For Bolt-On, Add	27.55	
			For Installation In New Panelboard, Deduct	-12.90	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0434	EA		2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	259.59	30.95
			For Bolt-On, Add	44.49	
			For Installation In New Panelboard, Deduct	-17.20	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0435	EA		2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	663.98	38.68
			For Bolt-On, Add	98.04	
			For Installation In New Panelboard, Deduct	-21.49	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0436	EA		3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	237.73	30.95
			For Bolt-On, Add	41.75	
			For Installation In New Panelboard, Deduct	-17.20	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0437	EA		3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	237.73	30.95
			For Bolt-On, Add	41.75	
			For Installation In New Panelboard, Deduct	-17.20	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	315.74	38.68
For Bolt-On, Add	54.51	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	821.89	46.42
For Bolt-On, Add	120.79	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	82.26	15.47
For Bolt-On, Add	16.30	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	82.26	15.47
For Bolt-On, Add	16.30	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	97.01	19.34
For Bolt-On, Add	19.65	
For Installation In New Panelboard, Deduct	-10.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	162.91	18.91
For Bolt-On, Add	27.59	
For Installation In New Panelboard, Deduct	-10.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	174.58	23.21
For Bolt-On, Add	30.85	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	174.58	23.21
For Bolt-On, Add	30.85	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	211.77	30.95
For Bolt-On, Add	38.51	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	305.17	38.68
For Bolt-On, Add	53.19	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	394.59	42.98
For Bolt-On, Add	65.87	
For Installation In New Panelboard, Deduct	-23.64	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.37	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	492.62	50.29
For Bolt-On, Add	81.14	
For Installation In New Panelboard, Deduct	-27.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.53	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	531.56	58.03
For Bolt-On, Add	89.01	
For Installation In New Panelboard, Deduct	-32.24	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.69	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	212.21	30.95
For Bolt-On, Add	38.56	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	212.21	30.95
For Bolt-On, Add	38.56	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	248.94	38.68
For Bolt-On, Add	46.16	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	378.15	46.42
For Bolt-On, Add	65.32	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	496.32	60.18
For Bolt-On, Add	85.36	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	613.13	69.63
For Bolt-On, Add	103.72	
For Installation In New Panelboard, Deduct	-38.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	652.04	73.93
For Bolt-On, Add	110.09	
For Installation In New Panelboard, Deduct	-40.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.00	
26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	181.17	23.21
For Bolt-On, Add	31.67	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	181.17	23.21
For Bolt-On, Add	31.67	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	275.52	30.95
For Bolt-On, Add	46.48	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	447.65	38.68
For Bolt-On, Add	71.00	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	697.43	48.14
For Bolt-On, Add	105.98	
For Installation In New Panelboard, Deduct	-26.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.24	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	790.60	50.29
For Bolt-On, Add	118.38	
For Installation In New Panelboard, Deduct	-27.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.53	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	863.85	58.03
For Bolt-On, Add	130.55	
For Installation In New Panelboard, Deduct	-32.24	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.69	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	260.40	30.95
For Bolt-On, Add	44.59	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	260.40	30.95
For Bolt-On, Add	44.59	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	328.01	38.68
For Bolt-On, Add	56.05	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	556.89	46.42
For Bolt-On, Add	87.66	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	814.00	60.18
For Bolt-On, Add	125.07	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	961.51	69.63
For Bolt-On, Add	147.27	
For Installation In New Panelboard, Deduct	-38.69	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	1,040.29	73.93
For Bolt-On, Add	158.62	
For Installation In New Panelboard, Deduct	-40.84	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.00	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	187.73	23.21
For Bolt-On, Add	32.49	
For Installation In New Panelboard, Deduct	-12.90	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	187.73	23.21
For Bolt-On, Add	32.49	
For Installation In New Panelboard, Deduct	-12.90	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	336.03	30.95
For Bolt-On, Add	54.04	
For Installation In New Panelboard, Deduct	-17.20	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	615.43	38.68
For Bolt-On, Add	91.97	
For Installation In New Panelboard, Deduct	-21.49	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0479 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	974.77	48.14
For Bolt-On, Add	140.65	
For Installation In New Panelboard, Deduct	-26.87	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.24	
26 24 16 00-0480 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,109.57	50.29
For Bolt-On, Add	158.25	
For Installation In New Panelboard, Deduct	-27.94	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.53	
26 24 16 00-0481 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,208.06	58.03
For Bolt-On, Add	173.58	
For Installation In New Panelboard, Deduct	-32.24	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.69	
26 24 16 00-0482 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	305.78	30.95
For Bolt-On, Add	50.26	
For Installation In New Panelboard, Deduct	-17.20	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0483 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	305.78	30.95
For Bolt-On, Add	50.26	
For Installation In New Panelboard, Deduct	-17.20	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0484 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	406.67	38.68
For Bolt-On, Add	65.88	
For Installation In New Panelboard, Deduct	-21.49	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0485 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	748.60	46.42
For Bolt-On, Add	111.63	
For Installation In New Panelboard, Deduct	-25.79	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0486 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	945.78	60.18
For Bolt-On, Add	141.54	
For Installation In New Panelboard, Deduct	-33.32	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0487 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,509.16	69.63
For Bolt-On, Add	215.72	
For Installation In New Panelboard, Deduct	-38.69	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.42	
26 24 16 00-0488 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,607.32	73.93
For Bolt-On, Add	229.50	
For Installation In New Panelboard, Deduct	-40.84	
<i>Note: Also for use with new interiors in panelboards.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.00	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0490 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	98.78	15.47
For Bolt-On, Add	18.36	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0491 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	98.78	15.47
For Bolt-On, Add	18.36	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0492 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	170.98	19.34
For Bolt-On, Add	28.89	
For Installation In New Panelboard, Deduct	-10.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 24 16 00-0493 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	214.57	23.21
For Bolt-On, Add	35.85	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0494 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	214.57	23.21
For Bolt-On, Add	35.85	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	391.57	30.95
For Bolt-On, Add	60.98	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	726.37	38.68
For Bolt-On, Add	105.84	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,412.94	48.14
For Bolt-On, Add	195.42	
For Installation In New Panelboard, Deduct	-26.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.24	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	354.21	30.95
For Bolt-On, Add	56.31	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	354.21	30.95
For Bolt-On, Add	56.31	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	473.96	38.68
For Bolt-On, Add	74.29	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	894.83	46.42
For Bolt-On, Add	129.91	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,756.77	60.18
For Bolt-On, Add	242.92	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	145.32	15.47
For Bolt-On, Add	24.18	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	145.32	15.47
For Bolt-On, Add	24.18	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	220.48	19.34
For Bolt-On, Add	35.08	
For Installation In New Panelboard, Deduct	-10.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.89	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	268.41	23.21
For Bolt-On, Add	42.58	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	268.41	23.21
For Bolt-On, Add	42.58	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	507.48	30.95
For Bolt-On, Add	75.47	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	923.03	38.68
For Bolt-On, Add	130.42	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,844.31	42.98
For Bolt-On, Add	247.09	
For Installation In New Panelboard, Deduct	-23.64	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.37	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	462.10	30.95
For Bolt-On, Add	69.80	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	462.10	30.95
For Bolt-On, Add	69.80	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	640.65	38.68
For Bolt-On, Add	95.13	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,041.06	46.42
For Bolt-On, Add	148.19	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	2,326.75	60.18
For Bolt-On, Add	314.16	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	64.99	15.47
For Bolt-On, Add	14.14	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	137.84	23.21
For Bolt-On, Add	26.26	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	219.05	30.95
For Bolt-On, Add	39.42	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	137.34	15.47
For Bolt-On, Add	23.18	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	137.34	15.47
For Bolt-On, Add	23.18	
For Installation In New Panelboard, Deduct	-8.60	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.31	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	273.51	30.95
For Bolt-On, Add	46.23	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	312.76	23.21
For Bolt-On, Add	48.12	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	312.76	23.21
For Bolt-On, Add	48.12	
For Installation In New Panelboard, Deduct	-12.90	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.47	
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	607.43	30.95
For Bolt-On, Add	87.97	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,033.96	38.68
For Bolt-On, Add	144.29	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,283.93	48.14
For Bolt-On, Add	304.30	
For Installation In New Panelboard, Deduct	-26.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.24	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	525.54	30.95
For Bolt-On, Add	77.73	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	525.54	30.95
For Bolt-On, Add	77.73	
For Installation In New Panelboard, Deduct	-17.20	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.63	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	732.75	38.68
For Bolt-On, Add	106.64	
For Installation In New Panelboard, Deduct	-21.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.79	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	1,121.74	46.42
For Bolt-On, Add	158.27	
For Installation In New Panelboard, Deduct	-25.79	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.95	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	2,840.03	60.18
For Bolt-On, Add	378.32	
For Installation In New Panelboard, Deduct	-33.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.98	
26 24 16 00-0534 Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0535 Residential Type Unassembled Load Center (26 24 16 00-0534)		
Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0537 EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	124.96	42.98
26 24 16 00-0538 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	401.82	171.94
26 24 16 00-0539 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	616.27	245.44
26 24 16 00-0540 EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,322.72	515.90
26 24 16 00-0541 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,449.89	558.81
26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	181.85	47.28
26 24 16 00-0544 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	346.09	51.58
26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0546 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	185.42	47.28
26 24 16 00-0547 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	207.54	51.58
26 24 16 00-0548 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	687.72	245.44
26 24 16 00-0549 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled	1,558.62	558.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0550 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551 EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	236.22	47.28
26 24 16 00-0552 EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,521.69	515.90
26 24 16 00-0553 Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase <small>(26 24 16 00-0535)</small>		
26 24 16 00-0554 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,661.33	515.90
26 24 16 00-0555 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,804.03	558.81
26 24 16 00-0556 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	7,023.09	859.69
26 24 16 00-0557 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,563.45	515.90
26 24 16 00-0559 EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,798.57	558.81
26 24 16 00-0560 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	7,782.16	859.69
26 24 16 00-0561 Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0562 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,762.29	515.90
26 24 16 00-0563 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,976.44	558.81
26 24 16 00-0564 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,730.89	515.90
26 24 16 00-0566 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,816.74	558.81
26 24 16 00-0567 Residential Type Assembled Load Center <small>(26 24 16 00-0534)</small>		
26 24 16 00-0568 Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569 EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	616.73	245.44
26 24 16 00-0570 EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	758.28	286.71
26 24 16 00-0571 EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	633.82	245.44
26 24 16 00-0572 EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	762.94	286.71
26 24 16 00-0573 EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,127.77	382.13
26 24 16 00-0574 EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,325.80	458.65
26 24 16 00-0575 EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,513.31	529.14
26 24 16 00-0576 EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,673.75	572.82
26 24 16 00-0577 EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,503.78	859.69
26 24 16 00-0578 EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,188.35	382.13
26 24 16 00-0579 EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,383.27	458.65
26 24 16 00-0580 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,570.78	529.14
26 24 16 00-0581 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,728.12	572.82
26 24 16 00-0582 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,682.40	859.69
26 24 16 00-0583 EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	3,145.26	955.21
26 24 16 00-0584 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	3,331.65	955.21
26 24 16 00-0585 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	845.26	286.71
26 24 16 00-0587 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,258.87	429.85
26 24 16 00-0588 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	896.51	286.71
26 24 16 00-0589 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,305.47	429.85
26 24 16 00-0590 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,601.84	529.14
26 24 16 00-0591 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,752.02	573.16
26 24 16 00-0592 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,152.57	688.01
26 24 16 00-0593 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,565.91	859.69
26 24 16 00-0594 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,656.21	529.14
26 24 16 00-0595 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,813.54	572.82
26 24 16 00-0596 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,361.38	687.49
26 24 16 00-0597 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,775.60	859.69
26 24 16 00-0598 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,191.86	955.21
26 24 16 00-0599 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,378.24	955.21

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

Table with 4 columns: Item ID, Description, Unit Cost, Demolition Cost. Includes 'Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase' and various breaker specifications.

Table with 4 columns: Item ID, Description, Unit Cost, Demolition Cost. Includes 'Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V' and various breaker specifications.

26 24 16 00-0618 Panel Mounted Accessories And Fuseholders

Table with 4 columns: Item ID, Description, Unit Cost, Demolition Cost. Includes 'Midget Finger-Safe Fuse Holders' and various fuse holder specifications.

26 24 16 00-0633 Removal And Reinstallation Of Panelboards

Table with 4 columns: Item ID, Description, Unit Cost, Demolition Cost. Includes 'Remove And Reinstall Panelboards With Breakers, Up To 42 Circuit Capacity'.

26 24 19 Motor-Control Centers

Table with 4 columns: Item ID, Description, Unit Cost, Demolition Cost. Includes 'Combination Starters With Molded Case Circuit Breakers' and '230 Volt Combination With Molded Case Circuit, Full Volt'.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,386.97 51.87	86.45
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,152.57 61.31	102.17
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,411.70 70.73	117.89
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,891.35 94.31	157.19
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,914.99 47.16	78.59
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,270.37 49.52	82.52
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,386.97 51.87	86.45
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,152.57 61.31	102.17
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,411.70 70.73	117.89
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,891.35 94.31	157.19
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,782.86 47.16	78.59
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,713.75 49.52	82.52
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,330.48 51.87	86.45
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,337.21 61.31	102.17
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,396.69 70.73	117.89
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,713.98 94.31	157.19
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,782.86 47.16	78.59
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,713.75 49.52	82.52
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,330.48 51.87	86.45
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,337.21 61.31	102.17
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,396.69 70.73	117.89
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,713.98 94.31	157.19
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,379.13 75.45	125.75
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,656.21 80.17	133.61
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,867.34 84.88	141.47
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,292.22 96.67	161.12
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,380.55 113.18	188.63
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,379.13 75.45	125.75
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,656.21 80.17	133.61
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,867.34 84.88	141.47
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,292.22 96.67	161.12
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,380.55 113.18	188.63

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0042	230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit .....3,917.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.16	78.59	
26 24 19 00-0044	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit.....5,837.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.52	82.52	
26 24 19 00-0045	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit.....7,996.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.87	86.45	
26 24 19 00-0046	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....15,035.36 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 61.31	102.17	
26 24 19 00-0047	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....26,062.26 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 70.73	117.89	
26 24 19 00-0048	480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit.....3,917.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 47.16	78.59	
26 24 19 00-0050	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit.....5,837.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.52	82.52	
26 24 19 00-0051	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit.....7,996.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.87	86.45	
26 24 19 00-0052	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit.....15,035.36 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 61.31	102.17	
26 24 19 00-0053	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit.....26,062.26 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 70.73	117.89	
26 24 19 00-0054	230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit .....5,800.69	82.52	
26 24 19 00-0056	EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit .....8,888.89	90.38	
26 24 19 00-0057	EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....14,993.07	102.17	
26 24 19 00-0058	EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....23,201.23	117.89	
26 24 19 00-0059	EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....39,701.32	157.19	
26 24 19 00-0060	480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit .....5,800.69	82.52	
26 24 19 00-0062	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....8,888.89	90.38	
26 24 19 00-0063	EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....14,993.07	102.17	
26 24 19 00-0064	EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....23,201.23	117.89	
26 24 19 00-0065	EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit .....39,701.32	157.19	
26 24 19 00-0066	230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit .....3,947.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 75.45	125.75	
26 24 19 00-0068	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit .....5,102.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 87.24	145.40	
26 24 19 00-0069	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit .....8,991.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.67	161.12	
26 24 19 00-0070	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....15,341.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 117.89	196.49	
26 24 19 00-0071	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....21,080.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 150.91	251.50	
26 24 19 00-0072	480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073	EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit .....3,947.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 75.45	125.75	
26 24 19 00-0074	EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit .....5,102.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 87.24	145.40	
26 24 19 00-0075	EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit .....8,991.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.67	161.12	
26 24 19 00-0076	EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit .....15,341.66 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 117.89	196.49	
26 24 19 00-0077	EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit .....21,080.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 150.91	251.50	
26 24 19 00-0078	230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....16,396.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 61.31	102.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	17,390.08	125.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.45	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	19,201.89	145.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.24	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	29,085.13	161.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.67	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	39,671.43	196.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.89	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	53,840.24	251.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.91	
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)		
Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	16,396.00	102.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.31	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	17,390.08	125.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.45	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	19,201.89	145.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.24	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	29,085.13	161.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.67	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	39,671.43	196.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.89	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	53,840.24	251.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.91	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers (26 24 19)		
Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	2,567.73	78.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	2,923.11	82.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.52	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	4,528.81	86.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	8,357.18	102.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.31	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	14,974.85	117.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.73	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	24,416.15	157.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.31	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	2,567.73	78.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	2,923.11	82.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.52	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	4,528.81	86.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	8,357.18	102.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.31	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	14,974.85	117.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.73	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	24,416.15	157.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.31	
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,430.09	78.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	4,353.62	82.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.52	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	6,446.58	86.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	11,512.40	102.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.31	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,908.36 70.73	117.89
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,430.09 47.16	78.59
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,353.62 49.52	82.52
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,446.58 51.87	86.45
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,512.40 61.31	102.17
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,908.36 70.73	117.89
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,015.32 75.45	125.75
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,283.21 80.17	133.61
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,965.05 84.88	141.47
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,441.67 96.67	161.12
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,872.00 113.18	188.63
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,015.32 75.45	125.75
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,283.21 80.17	133.61
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,965.05 84.88	141.47
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,441.67 96.67	161.12
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,872.00 113.18	188.63
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,632.13 70.73	117.89
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,539.87 75.45	125.75
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,183.11 80.17	133.61
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,261.23 91.95	153.26
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,629.83 108.47	180.77
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,632.13 70.73	117.89
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,539.87 75.45	125.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,183.11 80.17	133.61
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,261.23 91.95	153.26
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,629.83 108.47	180.77
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,418.49 49.52	82.52
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,345.14 54.23	90.38
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,495.55 61.31	102.17
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,512.74 70.73	117.89
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,630.64 94.31	157.19
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,418.49 49.52	82.52
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,345.14 54.23	90.38
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,495.55 61.31	102.17
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,512.74 70.73	117.89
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,630.64 94.31	157.19
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,583.48 75.45	125.75
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,726.01 87.24	145.40
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,082.10 96.67	161.12
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,875.40 117.89	196.49
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,379.15 150.91	251.50
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,583.48 75.45	125.75
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,726.01 87.24	145.40
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,082.10 96.67	161.12
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,875.40 117.89	196.49
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,379.15 150.91	251.50
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,923.71 61.31	102.17
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,912.27 75.45	125.75
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,705.70 87.24	145.40
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,502.52 96.67	161.12
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,995.04 117.89	196.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56,059.56 150.91	251.50
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,923.74 61.31	102.17
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,912.27 75.45	125.75
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,705.70 87.24	145.40
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,502.52 96.67	161.12
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,995.04 117.89	196.49
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56,059.56 150.91	251.50
26 24 19 00-0181 Combination Starters With Fusible Switch (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,701.70 47.16	78.59
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,353.11 49.52	82.52
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,979.03 51.87	86.45
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,029.63 61.31	102.17
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,422.47 70.73	117.89
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,385.71 94.31	157.19
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,701.70 47.16	78.59
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,353.11 49.52	82.52
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,979.03 51.87	86.45
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,029.63 61.31	102.17
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,422.47 70.73	117.89
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,385.71 94.31	157.19
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,758.96 47.16	78.59
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,118.27 49.52	82.52
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,599.19 51.87	86.45
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,764.04 61.31	102.17
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,569.01 70.73	117.89
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,174.47 94.31	157.19
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,758.96 47.16	78.59



Electrical	26
Low-Voltage Electrical Distribution	26 20
Switchboards And Panelboards	26 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,118.27 49.52	82.52
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,599.19 51.87	86.45
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,764.04 61.31	102.17
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,569.01 70.73	117.89
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,174.47 94.31	157.19
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(2624 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,224.68 75.45	125.75
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,442.92 80.17	133.61
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,005.24 84.88	141.47
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,531.25 96.67	161.12
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,977.88 113.18	188.63
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(2624 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,224.68 75.45	125.75
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,442.92 80.17	133.61
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,005.24 84.88	141.47
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,531.25 96.67	161.12
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,977.88 113.18	188.63
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(2624 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,693.02 47.16	78.59
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,638.88 49.52	82.52
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,125.32 51.87	86.45
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,392.33 61.31	102.17
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(2624 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,693.02 47.16	78.59
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,638.88 49.52	82.52
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,125.32 51.87	86.45
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,392.33 61.31	102.17
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(2624 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,600.27 49.52	82.52
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,898.34 54.23	90.38
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,500.81 61.31	102.17
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,035.49 70.73	117.89
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,027.84 94.31	157.19
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(2624 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,600.27 49.52	82.52
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,898.34 54.23	90.38

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,500.81 61.31	102.17
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,035.49 70.73	117.89
26 24 19 00-0243	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,027.84 94.31	157.19
26 24 19 00-0244			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,971.19 75.45	125.75
26 24 19 00-0246	EA		25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,260.81 87.24	145.40
26 24 19 00-0247	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,388.65 96.67	161.12
26 24 19 00-0248	EA		75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,744.59 117.89	196.49
26 24 19 00-0249			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250	EA		15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,971.19 75.45	125.75
26 24 19 00-0251	EA		40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,260.81 87.24	145.40
26 24 19 00-0252	EA		75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,388.65 96.67	161.12
26 24 19 00-0253	EA		150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,744.59 117.89	196.49
26 24 19 00-0254			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255	EA		7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,394.16 61.31	102.17
26 24 19 00-0256	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,390.08 75.45	125.75
26 24 19 00-0257	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,201.89 87.24	145.40
26 24 19 00-0258	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,085.13 96.67	161.12
26 24 19 00-0259	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,671.43 117.89	196.49
26 24 19 00-0260	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,840.24 150.91	251.50
26 24 19 00-0261			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0262	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,394.16 61.31	102.17
26 24 19 00-0263	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,390.08 75.45	125.75
26 24 19 00-0264	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,201.89 87.24	145.40
26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,085.13 96.67	161.12
26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,671.43 117.89	196.49
26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,840.24 150.91	251.50
26 24 19 00-0268			Starter Accessories <small>(26 24 19)</small>		
26 24 19 00-0269			Starter Modifications <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270	EA		Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard	94.27	
26 24 19 00-0271	EA		Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	286.84	
26 24 19 00-0272	EA		Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	410.03	
26 24 19 00-0273	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	102.97	
26 24 19 00-0274	EA		Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	145.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0275 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA.....	244.55	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter.....	60.68	
26 24 19 00-0277 EA N.O. Overload Relay Alarm.....	51.48	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary.....	34.51	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	42.67	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	83.45	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select.....	42.67	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V.....	48.94	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer.....	58.98	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To.....	69.65	
26 24 19 00-0285 EA Blank Devices Panel.....	13.18	
26 24 19 00-0286 EA Oversize Or Special Color Starter.....	20.71	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer.....	196.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.07</i>	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non Resettable.....	179.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.07</i>	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable.....	244.71	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	20.71	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	29.49	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard.....	20.71	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	29.49	
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	29.49	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	42.67	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay.....	106.04	
26 24 19 00-0297 EA Heater Module.....	39.88	
26 24 19 00-0298 EA LAM - Long Acceleration Module.....	247.76	
26 24 19 00-0299 EA JAM - Jam Protection Module.....	284.02	
26 24 19 00-0300 EA PUM - Phase Unbalance Module.....	539.03	
26 24 19 00-0301 EA ULM - Underload Module.....	258.64	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer.....	56.80	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit.....	106.36	
26 24 19 00-0304 EA Type SIS Control Wire.....	44.72	
26 24 19 00-0305 EA Ring Or Spade Terminals Control.....	56.80	
26 24 19 00-0306 EA Ring Terminals Power.....	56.80	
26 24 19 00-0307 EA 14 Gauge Control Wire.....	44.72	
26 24 19 00-0308 EA Wiremakers.....	56.80	
26 24 19 00-0309 EA Wiring Diagram On Door.....	33.84	
26 24 19 00-0310 EA Special Color Or Type Control Wire.....	41.09	
26 24 19 00-0311 EA Current Transformer 12.5 VA.....	322.69	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,030.92	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,160.24	
26 24 19 00-0314 Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315 EA Control Relays, 600 Volt, 2 Pole.....	251.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.07</i>	
26 24 19 00-0316 EA Control Relays, 600 Volt, 4 Pole.....	302.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.79</i>	
26 24 19 00-0317 EA Control Relays, 600 Volt, 6 Pole.....	360.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>18.86</i>	
26 24 19 00-0318 EA Control Relays, 600 Volt, 8 Pole.....	404.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>23.58</i>	
26 24 19 00-0319 EA Control Relays, Pneumatic Timer.....	322.46	
26 24 19 00-0320 EA Control Relays, Motor Driven Timer.....	840.28	
26 24 19 00-0321 EA Control Relays, 7 Day Time Switch.....	1,057.61	
26 24 19 00-0322 EA Control Relays, 24 Hour Time Switch.....	296.57	
26 24 19 00-0323 EA Control Relays, Phase Voltage.....	504.48	
26 24 19 00-0324 EA Control Relays, Two Circuit Alternator.....	706.12	
26 24 19 00-0325 EA Control Relays, Manual 120 Volt.....	69.04	
26 24 19 00-0326 EA Control Relays, Over-Current Relay.....	2,305.98	
26 24 19 00-0327 EA Control Relays, UV-Relay.....	1,953.08	
26 24 19 00-0328 EA Control Relays, Over-Current Relay.....	1,953.08	
26 24 19 00-0329 EA Control Relays, Teleductor.....	520.17	
26 24 19 00-0330 EA Control Relays, Current Transducer.....	1,398.90	
26 24 19 00-0331 EA Control Relays, Watt Transducer.....	2,797.80	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x.....	94.93	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	142.01	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	160.05	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	178.10	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	160.05	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	178.10	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	187.51	
26 24 19 00-0339 Circuit Breaker Modifications/Accessories <small>(26 24 19 00-0268)</small>		
26 24 19 00-0340 EA Circuit Breaker, Shunt Trip.....	300.65	
26 24 19 00-0341 EA Circuit Breaker, Auxiliary Switch.....	103.85	
26 24 19 00-0342 EA Circuit Breaker, Key Interlock.....	373.51	
26 24 19 00-0343 EA Circuit Breaker, GFR Ground Fault.....	1,721.85	
26 24 19 00-0344 EA Circuit Breaker, Seltronic Breaker.....	997.43	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	954.42	51.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.65	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	1,650.63	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	1,584.98	51.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.65	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	2,279.87	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	2,922.38	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	1,819.95	102.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.31	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	2,937.51	110.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.03	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	3,873.72	141.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.85	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	4,570.24	216.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.72	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	6,477.94	326.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.86	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	14,124.23	432.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	259.14	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....	21,077.10	542.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	325.07	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....	35,090.01	628.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	377.58	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,144.25	51.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.65	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	1,835.15	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,144.25	51.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.65	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	1,835.15	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	1,936.77	51.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.65	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	2,654.22	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	3,288.77	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	1,743.56	78.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.16	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	4,421.56	216.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.72	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225.....	4,421.56	216.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.72	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400.....	5,940.68	235.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.41	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600.....	7,413.11	275.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	164.98	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800.....	8,532.92	326.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.86	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps.....	1,010.45	78.59
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	1,541.02	78.59
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps.....	1,654.09	98.24
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps.....	2,677.11	117.89
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps.....	5,251.65	149.33
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps.....	7,362.36	196.49
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps.....	17,840.84	263.29
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps.....	20,149.75	365.47
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers.....	905.36	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers.....	934.56	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers.....	965.09	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,107.14	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,200.06	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,296.81	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,632.83	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,839.92	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers.....	4,277.21	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,270.03	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,144.85	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers.....	4,901.14	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers.....	4,538.73	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers.....	6,289.71	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,200.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,588.22	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	202.04	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	441.73	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	181.96	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type.....	441.73	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	245.34	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits.....	260.40	
26 24 19 00-0405 EA Add For Additional Circuits	66.47	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	911.08	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	954.37	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	841.43	
26 24 19 00-0409 EA Add For Demand Attachment	435.09	
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	251.61	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	434.20	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	505.73	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	421.65	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	453.66	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	346.99	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	16,385.37	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	23,861.86	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	31,355.62	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	47,729.04	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	399.00	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	551.61	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	704.22	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	856.84	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438 EA Bus Duct Transition Pull Box	790.07	
26 24 19 00-0439 EA Throat And Transition To Substation	1,525.22	
26 24 19 00-0440 EA Service Entrance Label.....	330.31	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition.....	690.43	
26 24 19 00-0442 EA 600 Ampere Sub Feed Lugs On Main Bus	288.85	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width.....	218.11	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	218.11	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth.....	674.74	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth.....	761.04	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space	65.12	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof	175.75	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	36.88	
26 24 19 00-0451 EA Standard Structure 150 Watt Space	158.48	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	351.70	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	158.48	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	227.21	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted	3,241.43	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	3,746.62	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	3,750.25	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps.....	471.55	235.78
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps.....	707.32	353.68
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps.....	785.95	392.97
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps.....	943.22	471.57
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	78.59	39.30
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps.....	471.55	235.78
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps.....	707.32	353.68
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps.....	785.95	392.97

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps.....	943.22	471.57
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps.....	78.59	39.30
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	550.17	275.08
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	707.32	353.68
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	943.22	471.57
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,100.19	550.08
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps.....	117.89	58.95
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	628.76	314.38
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	864.61	432.27
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,100.19	550.08
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,257.29	628.68
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps.....	157.19	78.59
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	628.76	314.38
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	943.22	471.57
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,178.79	589.38
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,336.19	668.14
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	157.19	78.59
26 24 19 00-0484 Motor Control Centers <small>(26 24 19)</small>		
26 24 19 00-0485 2.4 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	9,707.16	157.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.31	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	9,707.16	157.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.31	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	9,707.16	157.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.31	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	9,746.48	176.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.11	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	10,354.48	196.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.89	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	10,393.77	216.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.68	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	10,433.06	235.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.47	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	10,511.68	275.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.05	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	10,590.27	314.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.63	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	17,757.94	353.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	212.20	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	19,065.96	392.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.79	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	14,369.65	157.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.31	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	14,972.32	168.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.39	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	17,006.39	184.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.82	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	18,925.75	196.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.89	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	20,597.21	227.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.76	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	22,564.63	243.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.19	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	24,530.88	259.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.61	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	26,865.67	282.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.77	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	31,256.68	314.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.63	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	33,861.65	334.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.43	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	51,662.05	392.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.79	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	55,049.73	432.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	259.38	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	58,000.75	471.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	282.97	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	63,155.55	510.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	306.57	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	13,561.93	157.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.31	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	13,601.25	176.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.11	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	13,640.52	196.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.89	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	13,679.81	216.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	129.68	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	13,721.40	235.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.47	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	13,760.74	255.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,800.02 165.05	275.08
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,957.17 212.20	353.68
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,690.54 235.79	392.97
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,769.20 259.38	432.27
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,070.30 282.97	471.57
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,339.02 47.16	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,499.87 47.16	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,401.00 47.16	
26 24 19 00-0525 4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,593.92 141.47	235.78
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,633.26 153.27	255.43
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,672.54 165.05	275.08
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,711.86 176.85	294.73
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,314.12 188.63	314.38
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,353.46 200.43	334.03
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,392.68 212.20	353.68
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,432.05 224.01	373.32
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,471.31 235.79	392.97
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,365.10 306.57	510.95
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,443.39 330.06	550.08
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,745.64 353.64	589.38
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,824.14 377.19	628.68
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,689.97 141.47	235.78
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,890.17 153.27	255.43
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,353.76 165.05	275.08
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,283.13 176.85	294.73
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,930.94 188.63	314.38
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,906.29 200.43	334.03
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,760.87 212.20	353.68
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,207.32 224.01	373.32
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,497.74 235.79	392.97
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,416.36 247.58	412.62
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,374.28 271.16	451.92
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,813.80 282.97	471.57
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,115.32 294.73	491.22
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,331.68 306.57	510.95
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,774.92 377.19	628.68
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79,804.65 400.86	668.14
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95,882.42 424.39	707.35
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101,403.19 424.39	707.35
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,525.01 165.05	275.08

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,564.33 176.85	294.73
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,603.60 188.63	314.38
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,642.94 200.43	334.03
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,893.17 212.20	353.68
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,932.54 224.01	373.32
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,971.80 235.79	392.97
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,011.11 247.58	412.62
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,050.46 259.38	432.27
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,286.04 330.06	550.08
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,180.24 353.64	589.38
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,476.64 377.19	628.68
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,476.64 377.19	628.68
26 24 19 00-0570	EA		Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,449.76 47.16	
26 24 19 00-0571	EA		Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,707.18 47.16	
26 24 19 00-0572	EA		Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,349.91 47.16	
26 24 19 00-0573			2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574	EA		2.4/4.8 KV Load Break Disconnect Switch 600 Amp.....	10,978.88	157.19
26 24 19 00-0575	EA		2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp.....	13,178.85	235.78
26 24 19 00-0576	EA		2.4/4.8 KV NEMA 3 Weather Resistant.....	4,341.19	
26 24 19 00-0577	EA		2.4/4.8 KV Space Heaters.....	168.60	11.79
26 24 19 00-0578	EA		2.4/4.8 KV Potential Transformer Fused.....	1,257.68	
26 24 19 00-0579	EA		2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	674.81	
26 24 19 00-0580	EA		2.4/4.8 KV Control Transformer 4 KVA Max.....	2,009.71	
26 24 19 00-0581	EA		2.4/4.8 KV Pushbuttons Each.....	128.71	
26 24 19 00-0582	EA		2.4/4.8 KV Selector Switch Each.....	426.58	
26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light.....	128.71	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light.....	389.81	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,037.03	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,037.03	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter.....	3,101.90	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,138.42	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter.....	413.39	11.79
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection.....	2,987.42	39.30
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection.....	5,724.58	19.65
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection.....	1,606.49	19.65
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters.....	2,674.01	11.79
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism.....	3,863.54	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay.....	321.81	39.30
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay.....	239.43	39.30
26 24 19 00-0597			Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484) Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included.....	821.88	235.56
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included.....	1,428.66	416.95
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	1,719.18	533.87
26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	2,751.84	859.69
26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,225.45	945.66
26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,112.67	1,048.82
26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included.....	4,789.29	1,229.36
26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	8,061.83	1,432.25
26 24 19 00-0606			Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607	EA		600 Amp Incoming Section, Main Lugs.....	685.18	300.89
26 24 19 00-0608	EA		800 Amp Incoming Section, Main Lugs.....	746.04	300.89
26 24 19 00-0609	EA		1,200 Amp Incoming Section, Main Lugs.....	1,054.69	472.83
26 24 19 00-0610	EA		2,000 Amp Incoming Section, Main Lugs.....	2,492.15	859.69
26 24 19 00-0611	EA		3,000 Amp Incoming Section, Main Lugs.....	3,775.97	1,246.56
26 24 19 00-0612	EA		4,000 Amp Incoming Section, Main Lugs.....	5,364.72	1,719.39
26 24 19 00-0613			Incoming Main Circuit Breaker Structure (26 24 19 00-0484) Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section	4,116.31	416.01
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section	8,621.38	534.38
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0616 EA 600 Amp, Main Circuit Breaker Section	9,044.36	832.36
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0617 EA 800 Amp, Main Circuit Breaker Section	12,733.61	832.36
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0618 EA 1,200 Amp, Main Circuit Breaker Section	18,342.54	941.79
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0619 Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>		
<small>Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.</small>		
26 24 19 00-0620 EA 200 Amp, Fusible Main Disconnect Section	3,592.71	416.52
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0621 EA 400 Amp, Fusible Main Disconnect Section	4,947.02	534.64
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0622 EA 600 Amp, Fusible Main Disconnect Section	9,593.92	833.05
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0623 EA 800 Amp, Fusible Main Disconnect Section	11,107.32	833.05
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0624 EA 1,200 Amp, Fusible Main Disconnect Section	15,566.22	942.65
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For NEMA 1 With Gaskets, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0625 Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626 Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter	674.66	174.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.50	
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter	781.42	174.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.22	
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter	1,127.15	247.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.22	
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter	1,807.28	325.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.39	
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter	3,172.93	407.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.23	
26 24 19 00-0632 Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter	633.49	152.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.97	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter .....736.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.81		152.17
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter .....1,073.94 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 132.26		220.08
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter .....1,753.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 179.10		298.31
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter .....3,129.15 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 231.10		380.84
26 24 19 00-0638 Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter .....659.62 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 77.87		140.99
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter .....770.80 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 91.46		140.99
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter .....1,139.32 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 126.43		210.62
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter .....1,823.27 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 174.74		291.44
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter .....3,192.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 223.88		373.97
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter .....687.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 118.09		208.90
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter .....929.52 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 131.86		208.90
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter .....1,303.65 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.61		278.54
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter .....2,090.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 214.93		356.77
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter .....3,685.77 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 262.10		435.86
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter .....835.40 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.12		197.73
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter .....954.90 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 123.52		197.73
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter .....1,373.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 161.60		269.94
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter .....2,154.13 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 208.66		348.17
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter .....3,761.33 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 258.94		429.85
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter .....619.96 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.81		160.77
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter .....924.45 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 131.86		220.08
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter .....1,441.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 171.94		286.28
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter .....1,976.82 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 241.49		401.48
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter .....3,378.06 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 307.04		511.51
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter .....622.10 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.97		143.57
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter .....839.51 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 118.09		196.87
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter .....1,229.90 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 158.03		263.07
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter .....2,031.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 228.64		379.98
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter .....3,420.45 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 290.44		483.15
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter .....650.69 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 80.50		134.11
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter .....876.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 110.22		182.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,323.44 153.52	253.61
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,123.91 223.88	373.97
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,244.39 286.56	477.99
26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	793.72 120.74	201.16
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,021.19 150.30	251.03
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,462.86 193.62	323.25
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,342.78 262.10	435.86
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,926.51 325.64	544.18
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	815.14 113.12	189.13
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,057.51 142.33	237.27
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,537.93 185.28	308.63
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,424.88 255.86	425.55
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,003.20 316.06	527.00
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	194.99	58.46
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	194.99	58.46
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	289.19	85.11
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	347.59	111.76
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	576.30	170.22
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	194.99	58.46
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	261.64	85.11
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	361.07	111.76
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	613.92	170.22
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	859.92	247.59
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	78.50	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	78.50	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	119.02	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	119.02	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	236.77	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High	2,181.07	452.46
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway	3,820.58	1,178.29
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710	EA		25"-35" Wide Basic Section (No Vertical Wireway).....	3,820.58	1,178.29
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0711	EA		25" Wide Basic Section With 9" Wide Vertical Wireway.....	4,165.55	1,178.29
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0712	EA		Corner Section.....	4,165.55	1,178.29
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0713			Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0464)</small>		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	931.19	165.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.29	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,036.19	183.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.12	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	1,765.79	246.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.05	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	2,547.26	325.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.21	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	5,663.20	406.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.95	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	13,012.14	406.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.95	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	929.88	143.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.88	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,048.64	161.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.71	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	1,791.58	220.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.05	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	2,537.21	298.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.00	
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	5,664.31	385.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.10	
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	13,092.33	385.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.10	
26 24 19 00-0727			Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,466.59	207.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.23	
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,788.59	229.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.48	
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,917.74	307.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.75	
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,966.87	407.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.23	
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,873.06	509.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.58	
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,476.03	178.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.28	
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,812.69	201.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.97	
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,954.12	275.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.33	
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,964.97	373.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.88	
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,884.18	481.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.13	
26 24 19 00-0738			Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,598.48 124.23	207.10
26 24 19 00-0740	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,246.68 137.48	229.10
26 24 19 00-0741	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,186.52 184.75	307.94
26 24 19 00-0742	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,695.78 244.23	407.07
26 24 19 00-0743	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,286.64 305.58	509.28
26 24 19 00-0744	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,607.92 107.28	178.82
26 24 19 00-0745	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,270.79 120.97	201.60
26 24 19 00-0746	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,222.89 165.33	275.53
26 24 19 00-0747	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,693.87 223.88	373.10
26 24 19 00-0748	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,297.76 289.13	481.86
26 24 19 00-0749			Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small> Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750			FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751	EA		Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	763.22	161.37
26 24 19 00-0752	EA		Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	998.71	219.30
26 24 19 00-0753	EA		Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	1,631.11	285.77
26 24 19 00-0754	EA		Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	2,716.48	402.51
26 24 19 00-0755	EA		Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	5,330.96	511.69
26 24 19 00-0756	EA		Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	13,177.51	511.69
26 24 19 00-0757	EA		Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	769.49	143.05
26 24 19 00-0758	EA		Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,010.16	196.44
26 24 19 00-0759	EA		Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	1,665.43	263.41
26 24 19 00-0760	EA		Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	2,717.62	381.10
26 24 19 00-0761	EA		Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	5,319.60	484.09
26 24 19 00-0762	EA		Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	13,245.28	484.09
26 24 19 00-0763			Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,282.37	202.03
26 24 19 00-0765	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,783.63	274.15
26 24 19 00-0766	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,732.82	357.03
26 24 19 00-0767	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,624.28	504.56
26 24 19 00-0768	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,052.07	590.43
26 24 19 00-0769	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,301.35	178.82
26 24 19 00-0770	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,805.19	245.36
26 24 19 00-0771	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,779.17	329.61
26 24 19 00-0772	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,632.19	475.50
26 24 19 00-0773	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,050.70	556.82
26 24 19 00-0774			Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,481.09	202.03
26 24 19 00-0776	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,248.77	274.15
26 24 19 00-0777	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,014.78	357.03
26 24 19 00-0778	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,891.58	504.56
26 24 19 00-0779	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,975.01	590.43
26 24 19 00-0780	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,500.65	178.82
26 24 19 00-0781	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,270.32	245.36
26 24 19 00-0782	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,061.14	329.61
26 24 19 00-0783	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,899.48	475.50
26 24 19 00-0784	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,973.65	556.82
26 24 19 00-0785			Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small> Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA		600 Amp Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.18 6.46	
26 24 19 00-0787	EA		800 Amp Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.18 6.46	
26 24 19 00-0788	EA		1,200 Amp Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.48 7.75	
26 24 19 00-0789	EA		1,600 Amp Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.31 7.75	
26 24 19 00-0790	EA		2,000 Amp Horizontal Tin Plated Copper Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.86 9.04	
26 24 19 00-0791	EA		1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.91 5.17	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 19 00-0792	Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793	3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)		
	Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	679.12	124.23
26 24 19 00-0795	EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,183.26	137.55
26 24 19 00-0796	EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,444.69	185.26
26 24 19 00-0797	EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,393.08	244.16
26 24 19 00-0798	EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,126.98	305.19
26 24 19 00-0799	EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,705.06	305.19
26 24 19 00-0800	EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	9,677.18	382.13
26 24 19 00-0801	Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)		
	Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA 30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	531.73	120.79
26 24 19 00-0803	EA 60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	637.02	164.64
26 24 19 00-0804	EA 100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	866.16	210.62
26 24 19 00-0805	EA 200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	1,573.38	301.75
26 24 19 00-0806	EA 400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	2,725.71	383.77
26 24 19 00-0807	EA 600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	6,031.74	383.77
26 24 19 00-0808	EA 800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	7,458.99	479.71
26 24 19 00-0809	EA 1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	10,919.78	479.71
26 24 19 00-0810	Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811	EA Control Circuit Transformer, Size 1 Factory Installed.....	41.88	
26 24 19 00-0812	EA Control Circuit Transformer, Size 2 Factory Installed.....	41.88	
26 24 19 00-0813	EA Control Circuit Transformer, Size 3 Factory Installed.....	80.66	
26 24 19 00-0814	EA Control Circuit Transformer, Size 4 Factory Installed.....	80.66	
26 24 19 00-0815	EA Control Circuit Transformer, Size 5 Factory Installed.....	112.05	
26 24 19 00-0816	EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	35.89	9.73
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.46	
26 24 19 00-0817	Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818	EA Control Device, 2 Unit Push Button Station Cover Mounted.....	77.70	17.20
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.75	
26 24 19 00-0819	EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	88.21	17.20
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.43	
26 24 19 00-0820	EA Control Device, Pilot Light Cover Mounted.....	71.81	17.20
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.05	
26 24 19 00-0821	EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	204.30	58.46
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.23	
26 24 19 00-0822	EA Auxiliary Contact Add Per Starter.....	224.83	22.27
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	
26 24 19 00-0823	Extra Interlocks (26 24 19 00-0484)		
	Note: Per contact.		
26 24 19 00-0824	EA Extra Interlocks, Class I, Type A Per Contact.....	51.35	11.17
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.05	
26 24 19 00-0825	EA Extra Interlocks, Class I, Type B Per Contact.....	68.85	11.17
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.05	
26 24 19 00-0826	EA Extra Interlocks, Class I, Type C Per Contact.....	74.91	11.17
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 24 19 00-0827	EA Extra Interlocks, Class II, Type B Per Contact.....	66.93	11.17
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.37	
26 24 19 00-0828	EA Extra Interlocks, Class II, Type C Per Contact.....	69.55	11.17
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 24 19 00-0829	Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	524.27	
26 24 19 00-0831	Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements.....	18.61	
26 24 19 00-0833	Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	111.99	21.53
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	106.39	19.37
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base.....	64.59	19.37
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.92	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0837		Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838		Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
		Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,159.88	276.04
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,285.37	287.09
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,592.37	309.17
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,489.99	331.26
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,995.50	353.34
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,348.41	397.51
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,619.05	441.67
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,666.43	364.38
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,157.02	397.51
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,036.04	441.67
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,472.31	485.84
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,990.02	530.00
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,288.40	574.18
26 24 19 00-0852		Bolt-On Lighting Panel (26 24 19 00-0837)		
		Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,463.51	447.39
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,313.58	778.71
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,081.92	1,053.55
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,536.87	484.09
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,280.44	762.11
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,213.61	1,119.41
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,377.76	518.91
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,221.48	833.05
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,055.95	1,119.41
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,459.38	559.66
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,221.48	833.05
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,128.17	1,155.51
26 24 19 00-0865		Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)		
		Note: For MCC lighting panel only.		
26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	17.27	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	161.57	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	33.76	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	77.73	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	91.08	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	138.18	
26 24 19 00-0872		Blank Unit Door (BUD) (26 24 19 00-0837)		
		Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	43.09	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	51.70	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.55	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	103.41	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	155.11	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	180.96	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	206.81	
26 25		Enclosed Bus Assemblies (26 20)		
26 25 00 00-0001		Bus Ducts (26 25)		
26 25 00 00-0002		Plug-In Bus Duct (26 25 00 00-0001)		
		Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003		600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0002)		
26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	236.22	25.80
		For Up To 25, Add	59.06	
		For >25 To 50, Add	35.43	
		For >50 To 100, Add	17.72	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	336.35	25.80
		For Up To 25, Add	84.09	
		For >25 To 50, Add	50.45	
		For >50 To 100, Add	25.23	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	426.93	34.38
		For Up To 25, Add	106.73	
		For >25 To 50, Add	64.04	
		For >50 To 100, Add	32.02	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	591.72	34.38
		For Up To 25, Add	147.93	
		For >25 To 50, Add	88.76	
		For >50 To 100, Add	44.38	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0008	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	624.09	42.98
			<i>For Up To 25, Add</i>	156.02	
			<i>For >25 To 50, Add</i>	93.61	
			<i>For >50 To 100, Add</i>	46.81	
26 25 00 00-0009	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	872.07	42.98
			<i>For Up To 25, Add</i>	218.02	
			<i>For >25 To 50, Add</i>	130.81	
			<i>For >50 To 100, Add</i>	65.41	
26 25 00 00-0010	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,021.89	45.14
			<i>For Up To 25, Add</i>	255.47	
			<i>For >25 To 50, Add</i>	153.28	
			<i>For >50 To 100, Add</i>	76.64	
26 25 00 00-0011	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,246.15	46.42
			<i>For Up To 25, Add</i>	311.54	
			<i>For >25 To 50, Add</i>	186.92	
			<i>For >50 To 100, Add</i>	93.46	
26 25 00 00-0012	LF		2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,539.77	49.01
			<i>For Up To 25, Add</i>	384.94	
			<i>For >25 To 50, Add</i>	230.97	
			<i>For >50 To 100, Add</i>	115.48	
26 25 00 00-0013	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,777.78	57.17
			<i>For Up To 25, Add</i>	444.45	
			<i>For >25 To 50, Add</i>	266.67	
			<i>For >50 To 100, Add</i>	133.33	
26 25 00 00-0014	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,058.21	62.32
			<i>For Up To 25, Add</i>	514.55	
			<i>For >25 To 50, Add</i>	308.73	
			<i>For >50 To 100, Add</i>	154.37	
26 25 00 00-0015			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016	LF		225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	390.97	25.80
			<i>For Up To 25, Add</i>	97.74	
			<i>For >25 To 50, Add</i>	58.65	
			<i>For >50 To 100, Add</i>	29.32	
26 25 00 00-0017	LF		400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	566.18	25.80
			<i>For Up To 25, Add</i>	141.55	
			<i>For >25 To 50, Add</i>	84.93	
			<i>For >50 To 100, Add</i>	42.46	
26 25 00 00-0018	LF		600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	640.19	34.38
			<i>For Up To 25, Add</i>	160.05	
			<i>For >25 To 50, Add</i>	96.03	
			<i>For >50 To 100, Add</i>	48.01	
26 25 00 00-0019	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	815.15	34.38
			<i>For Up To 25, Add</i>	203.79	
			<i>For >25 To 50, Add</i>	122.27	
			<i>For >50 To 100, Add</i>	61.14	
26 25 00 00-0020	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	995.45	42.98
			<i>For Up To 25, Add</i>	248.86	
			<i>For >25 To 50, Add</i>	149.32	
			<i>For >50 To 100, Add</i>	74.66	
26 25 00 00-0021	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,291.88	42.98
			<i>For Up To 25, Add</i>	322.97	
			<i>For >25 To 50, Add</i>	193.78	
			<i>For >50 To 100, Add</i>	96.89	
26 25 00 00-0022	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,671.71	44.54
			<i>For Up To 25, Add</i>	417.93	
			<i>For >25 To 50, Add</i>	250.76	
			<i>For >50 To 100, Add</i>	125.38	
26 25 00 00-0023	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,014.98	46.42
			<i>For Up To 25, Add</i>	503.75	
			<i>For >25 To 50, Add</i>	302.25	
			<i>For >50 To 100, Add</i>	151.12	
26 25 00 00-0024	LF		2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,500.89	48.57
			<i>For Up To 25, Add</i>	625.22	
			<i>For >25 To 50, Add</i>	375.13	
			<i>For >50 To 100, Add</i>	187.57	
26 25 00 00-0025	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,886.80	57.17
			<i>For Up To 25, Add</i>	721.70	
			<i>For >25 To 50, Add</i>	433.02	
			<i>For >50 To 100, Add</i>	216.51	
26 25 00 00-0026	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,347.24	62.32
			<i>For Up To 25, Add</i>	836.81	
			<i>For >25 To 50, Add</i>	502.09	
			<i>For >50 To 100, Add</i>	251.04	
26 25 00 00-0027			Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028			600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029	EA		225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,967.83	120.36
26 25 00 00-0030	EA		400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,027.39	120.36
26 25 00 00-0031	EA		600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,187.85	163.34
26 25 00 00-0032	EA		800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,323.92	163.34
26 25 00 00-0033	EA		1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,489.17	214.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0034 EA 1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,725.98	214.92
26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0036 EA 225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,027.39	236.42
26 25 00 00-0037 EA 400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,197.71	236.42
26 25 00 00-0038 EA 600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,342.78	322.39
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,631.61	322.39
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,762.28	429.85
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,144.49	429.85
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker (26 25 00 00-0002)		
26 25 00 00-0043 240 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0044 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	877.54	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.03	
26 25 00 00-0045 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,763.74	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.37	
26 25 00 00-0046 600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,719.27	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.03	
26 25 00 00-0048 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,227.14	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.37	
26 25 00 00-0049 120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,010.76	103.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.73	
26 25 00 00-0051 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,205.89	103.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.16	
26 25 00 00-0052 277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053 EA 60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,161.12	103.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.73	
26 25 00 00-0054 EA 100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,794.64	103.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.16	
26 25 00 00-0055 EA 225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,591.20	356.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.62	
26 25 00 00-0056 EA 400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,202.46	356.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	335.82	
26 25 00 00-0057 EA 600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,880.00	1,031.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	467.23	
26 25 00 00-0058 EA 800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	8,477.19	1,031.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	826.63	
26 25 00 00-0059 Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060 240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061 EA 30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	875.47	85.97
26 25 00 00-0062 EA 60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	958.60	85.97
26 25 00 00-0063 EA 100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,328.85	103.16
26 25 00 00-0064 EA 200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,239.16	206.33
26 25 00 00-0065 EA 400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,682.63	464.23
26 25 00 00-0066 EA 600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,449.67	808.11
26 25 00 00-0067 600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068 EA 30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	913.84	94.56
26 25 00 00-0069 EA 60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	994.70	94.56
26 25 00 00-0070 EA 100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,342.68	94.56
26 25 00 00-0071 EA 200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,299.25	197.73
26 25 00 00-0072 EA 400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,659.67	447.04
26 25 00 00-0073 EA 600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,612.48	859.69
26 25 00 00-0074 EA 800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	14,230.52	1,117.60
26 25 00 00-0075 120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076 EA 30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,014.46	111.76
26 25 00 00-0077 EA 60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,084.99	111.76
26 25 00 00-0078 EA 100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,467.53	111.76
26 25 00 00-0079 EA 200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,489.12	232.12
26 25 00 00-0080 EA 400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,227.68	515.81
26 25 00 00-0081 EA 600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	9,053.15	790.92
26 25 00 00-0082 277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 25	Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			26 25 00 00-0083 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,049.03	111.76
			26 25 00 00-0084 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,119.57	94.82
			26 25 00 00-0085 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,568.37	128.96
			26 25 00 00-0086 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,596.66	232.12
			26 25 00 00-0087 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,227.68	515.81
			26 25 00 00-0088 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	9,053.15	790.92
			26 25 00 00-0089 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	14,411.42	1,048.82
			26 25 00 00-0090 Feeder Bus Duct <small>(26 25 00 00-0091)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.					
			26 25 00 00-0091 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small>		
Note: Copper conductors.					
			26 25 00 00-0092 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	714.48	36.11
			For Up To 25, Add	178.62	
			For >25 To 50, Add	107.17	
			For >50 To 100, Add	53.59	
			26 25 00 00-0093 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	723.50	36.11
			For Up To 25, Add	180.88	
			For >25 To 50, Add	108.53	
			For >50 To 100, Add	54.26	
			26 25 00 00-0094 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	949.26	36.11
			For Up To 25, Add	237.32	
			For >25 To 50, Add	142.39	
			For >50 To 100, Add	71.19	
			26 25 00 00-0095 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,141.56	36.11
			For Up To 25, Add	285.39	
			For >25 To 50, Add	171.23	
			For >50 To 100, Add	85.62	
			26 25 00 00-0096 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,396.30	36.11
			For Up To 25, Add	349.08	
			For >25 To 50, Add	209.45	
			For >50 To 100, Add	104.72	
			26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	1,904.83	85.97
			For Up To 25, Add	476.21	
			For >25 To 50, Add	285.72	
			For >50 To 100, Add	142.86	
			26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	2,636.03	85.97
			For Up To 25, Add	659.01	
			For >25 To 50, Add	395.40	
			For >50 To 100, Add	197.70	
			26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,118.63	85.97
			For Up To 25, Add	779.66	
			For >25 To 50, Add	467.79	
			For >50 To 100, Add	233.90	
			26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports	3,843.71	85.97
			For Up To 25, Add	960.93	
			For >25 To 50, Add	576.56	
			For >50 To 100, Add	288.28	
			26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
Note: Low impedance, copper conductors.					
			26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	820.64	38.68
			For Up To 25, Add	205.16	
			For >25 To 50, Add	123.10	
			For >50 To 100, Add	61.55	
			26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	832.29	38.68
			For Up To 25, Add	208.07	
			For >25 To 50, Add	124.84	
			For >50 To 100, Add	62.42	
			26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,073.14	38.68
			For Up To 25, Add	268.29	
			For >25 To 50, Add	160.97	
			For >50 To 100, Add	80.49	
			26 25 00 00-0105 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,272.31	38.68
			For Up To 25, Add	318.08	
			For >25 To 50, Add	190.85	
			For >50 To 100, Add	95.42	
			26 25 00 00-0106 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	1,537.76	38.68
			For Up To 25, Add	384.44	
			For >25 To 50, Add	230.66	
			For >50 To 100, Add	115.33	
			26 25 00 00-0107 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,365.71	66.19
			For Up To 25, Add	591.43	
			For >25 To 50, Add	354.86	
			For >50 To 100, Add	177.43	
			26 25 00 00-0108 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	2,967.55	66.19
			For Up To 25, Add	741.89	
			For >25 To 50, Add	445.13	
			For >50 To 100, Add	222.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0109 LF 5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,510.77	122.94
For Up To 25, Add	877.69	
For >25 To 50, Add	526.62	
For >50 To 100, Add	263.31	
26 25 00 00-0110 LF 6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,333.01	122.94
For Up To 25, Add	1,083.25	
For >25 To 50, Add	649.95	
For >50 To 100, Add	324.98	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center <small>(26 26)</small>		
Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.		
26 26 00 00-0002 EA PDU 15 KVA 480-208/120 (Liebert PPA01C)	11,180.69	264.36
26 26 00 00-0003 EA PDU 15 KVA 208-208/120 (Liebert PPC015C)	10,806.79	264.36
26 26 00 00-0004 EA PDU 30 KVA 480-208/120 (Liebert PPA030C)	12,596.11	286.54
26 26 00 00-0005 EA PDU 30 KVA 208-208/120 (Liebert PPC030C)	13,032.32	286.54
26 26 00 00-0006 EA PDU 50 KVA 480-208/120 (Liebert PPA050C)	14,237.80	318.09
26 26 00 00-0007 EA PDU 50 KVA 208-208/120 (Liebert PPC050C)	14,848.09	318.09
26 26 00 00-0008 EA PDU 75 KVA 480-208/120 (Liebert PPA075C)	15,701.89	343.88
26 26 00 00-0009 EA PDU 75 KVA 208-208/120 (Liebert PPC075C)	17,072.86	343.88
26 26 00 00-0010 EA PDU 100 KVA 480-208/120 (Liebert PPA100C)	17,099.39	429.85
26 26 00 00-0011 EA PDU 100 KVA 208-208/120 (Liebert PPC100C)	18,657.31	429.85
26 26 00 00-0012 EA PDU 125 KVA 480-208/120 (Liebert PPA125C)	19,203.16	515.81
26 26 00 00-0013 EA PDU 125 KVA 208-208/120 (Liebert PPC125C)	20,948.02	515.81
26 26 00 00-0014 EA PDU 150 KVA 480-208/120 (Liebert PPA150C)	23,238.72	601.79
26 26 00 00-0015 EA PDU 150 KVA 208-208/120 (Liebert PPC150C)	24,173.46	601.79
26 26 00 00-0016 EA PDU 200 KVA 480-208/120 (Liebert PPA200C)	25,618.27	687.75
26 26 00 00-0017 EA PDU 225 KVA 480-208/120 (Liebert PPA225C)	26,906.15	773.73
26 26 00 00-0018 EA Ex Panelboard 10-30 KVA	990.36	85.97
26 26 00 00-0019 EA Ex Panelboard 50-125 KVA	1,469.56	107.46
26 26 00 00-0020 EA Ex Panelboard 150-220 KVA	3,257.42	128.96
26 26 00 00-0021 EA Remove And Reinstall, Power Distribution Unit	1,375.51	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 26 00 00-0022 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,031.64	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R.

26 27 13 00-0003 EA 100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	169.97	55.88
26 27 13 00-0004 EA 100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	178.75	55.88
26 27 13 00-0005 EA 200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	234.11	68.78
26 27 13 00-0006 EA 200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	236.61	68.78
26 27 13 00-0007 EA 200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	428.89	77.38
26 27 13 00-0008 EA 320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	561.67	85.97
26 27 13 00-0009 EA 400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,327.32	94.56
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,689.01	429.85

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012 EA 100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	153.42	17.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.58	
26 27 13 00-0013 EA 200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	415.87	17.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.76	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	359.48	111.76
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26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	590.35	53.74
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	773.75	64.48
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	956.20	75.22
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,107.42	85.97
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,433.80	96.72
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,549.96	107.46
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,810.73	128.96

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0025	1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (2627 13 00-0016)		
26 27 13 00-0026	EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,063.78	53.74
26 27 13 00-0027	EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,397.72	64.48
26 27 13 00-0028	EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,923.60	85.97
26 27 13 00-0029	EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,134.46	96.72
26 27 13 00-0030	EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,676.70	107.46
26 27 13 00-0031	800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0032	EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	900.34	75.22
26 27 13 00-0033	EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,175.59	85.97
26 27 13 00-0034	EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,433.80	96.72
26 27 13 00-0035	EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,682.52	107.46
26 27 13 00-0036	EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,111.15	118.21
26 27 13 00-0037	EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,217.87	128.96
26 27 13 00-0038	EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AI	2,743.73	150.44
26 27 13 00-0039	1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0040	EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,371.86	75.22
26 27 13 00-0041	EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	1,791.03	85.97
26 27 13 00-0042	EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,515.74	107.46
26 27 13 00-0043	EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	2,698.19	118.21
26 27 13 00-0044	EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC.....	3,439.26	128.96
26 27 13 00-0045	120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0046	800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole (26 27 13 00-0045)		
26 27 13 00-0047	EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	645.92	64.48
26 27 13 00-0048	EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	839.74	75.22
26 27 13 00-0049	EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,032.62	85.97
26 27 13 00-0050	EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,197.09	96.72
26 27 13 00-0051	EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,464.75	107.46
26 27 13 00-0052	EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,580.92	118.21
26 27 13 00-0053	EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,945.84	139.70
26 27 13 00-0054	1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0055	EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC.....	1,123.14	64.48
26 27 13 00-0056	EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC.....	1,476.02	75.22
26 27 13 00-0057	EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC.....	2,124.99	96.72
26 27 13 00-0058	EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC.....	2,335.84	107.46
26 27 13 00-0059	EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC.....	2,821.31	118.21
26 27 13 00-0060	800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0061	EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	955.93	85.97
26 27 13 00-0062	EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	1,234.97	96.72
26 27 13 00-0063	EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	1,521.58	107.46
26 27 13 00-0064	EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	1,770.32	118.21
26 27 13 00-0065	EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	2,217.90	128.96
26 27 13 00-0066	EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	2,324.58	139.70
26 27 13 00-0067	EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	2,888.35	161.19
26 27 13 00-0068	1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0069	EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	1,440.71	85.97
26 27 13 00-0070	EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	1,888.29	96.72
26 27 13 00-0071	EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	2,698.22	118.21
26 27 13 00-0072	EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	2,823.85	128.96
26 27 13 00-0073	EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC.....	3,574.41	139.70
26 27 13 00-0074	120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0075	800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0076	EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	590.35	53.74
26 27 13 00-0077	EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	773.75	64.48
26 27 13 00-0078	EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	1,107.42	85.97
26 27 13 00-0079	EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	1,433.80	96.72
26 27 13 00-0080	EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	1,767.73	107.46
26 27 13 00-0081	1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0082	EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	1,063.77	53.74
26 27 13 00-0083	EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	1,397.71	64.48
26 27 13 00-0084	EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	2,018.27	85.97
26 27 13 00-0085	EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC.....	2,229.14	96.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,676.70	107.46
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	900.34	75.22
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,175.59	85.97
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,682.52	107.46
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,111.15	118.21
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,217.87	128.96
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,371.87	75.22
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,791.03	85.97
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,515.74	107.46
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,698.19	118.21
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,439.29	128.96
26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	645.92	64.48
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	839.74	75.22
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,197.09	96.72
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,559.43	107.46
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,770.29	118.21
26 27 13 00-0106 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,123.13	64.48
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,476.01	75.22
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,030.30	96.72
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,241.15	107.46
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,821.28	118.21
26 27 13 00-0112 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	955.92	85.97
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,234.96	96.72
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,770.29	118.21
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,217.87	128.96
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,324.58	139.70
26 27 13 00-0118 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,440.70	85.97
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,888.28	96.72
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,698.19	118.21
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,823.85	128.96
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,574.41	139.70
26 27 13 00-0124 Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	643.27	51.58
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,910.95	103.16
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,033.51	77.38
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,249.75	77.38
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,065.28	77.38
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	713.39	71.35
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,223.09	128.96
26 27 13 00-0132 Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133 Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amp System; 200 Amp M-90 Meter And Enclosure	3,226.87	515.90
26 27 13 00-0135 EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,737.19	515.90
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,467.45	515.90
26 27 13 00-0138 EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,580.25	515.90
26 27 13 00-0139 EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,052.18	515.90

26 27 16 Electrical Cabinets And Enclosures (26 27)
 Note: Can be used as enclosure or pull/junction boxes.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 16 00-0001		NEMA 1 Enclosures <small>(26 27 16)</small>		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	54.22	17.20
26 27 16 00-0005	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	60.79	18.91
26 27 16 00-0006	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	67.43	20.63
26 27 16 00-0007	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	78.72	24.07
26 27 16 00-0008	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	85.73	25.80
26 27 16 00-0009	EA	10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	93.25	27.51
26 27 16 00-0010	EA	12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	92.99	27.51
26 27 16 00-0011	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	100.68	29.23
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	108.76	30.95
26 27 16 00-0013	EA	16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	141.08	41.27
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	171.13	49.86
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	162.61	48.14
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	67.93	20.63
26 27 16 00-0018	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	82.44	24.07
26 27 16 00-0019	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	98.44	29.23
26 27 16 00-0020	EA	10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	106.32	30.95
26 27 16 00-0021	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	114.36	32.67
26 27 16 00-0022	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	122.77	34.38
26 27 16 00-0023	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	155.94	44.71
26 27 16 00-0024	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	189.09	55.02
26 27 16 00-0025	EA	18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	182.37	53.31
26 27 16 00-0026	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	237.47	68.78
26 27 16 00-0027	EA	24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	304.40	79.09
26 27 16 00-0028	EA	24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	347.65	85.97
26 27 16 00-0029	EA	30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	386.83	91.13
26 27 16 00-0030	EA	36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	421.71	94.56
26 27 16 00-0031		Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0032		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0033	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	39.21	12.04
26 27 16 00-0034	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	56.06	17.20
26 27 16 00-0035	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.68	18.91
26 27 16 00-0036		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0037	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	43.68	13.76
26 27 16 00-0038	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	54.08	17.20
26 27 16 00-0039	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	60.57	18.91
26 27 16 00-0040	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	67.19	20.63
26 27 16 00-0041	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	78.40	24.07
26 27 16 00-0042	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.38	25.80
26 27 16 00-0043	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.76	27.51
26 27 16 00-0044	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.45	27.51
26 27 16 00-0045	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	100.19	29.23
26 27 16 00-0046	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	108.19	30.95
26 27 16 00-0047	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	141.08	41.27
26 27 16 00-0048	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	174.58	51.58
26 27 16 00-0049	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	161.83	48.14
26 27 16 00-0050	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	209.87	61.89
26 27 16 00-0051	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	309.66	77.38
26 27 16 00-0052		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0053	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	67.63	20.63
26 27 16 00-0054	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	74.83	22.35
26 27 16 00-0055	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	86.24	25.80
26 27 16 00-0056	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.94	29.23
26 27 16 00-0057	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	105.80	30.95
26 27 16 00-0058	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	113.76	32.67
26 27 16 00-0059	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	122.08	34.38
26 27 16 00-0060	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	155.94	44.71
26 27 16 00-0061	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	191.54	55.02
26 27 16 00-0062	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	181.49	53.31
26 27 16 00-0063	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	236.27	68.78
26 27 16 00-0064	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	298.85	79.09
26 27 16 00-0065	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	345.10	85.97
26 27 16 00-0066	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	373.54	91.13
26 27 16 00-0067	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	411.43	94.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.94	29.23
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.73	37.82
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	171.25	48.14
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	212.31	60.18
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	202.40	58.46
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	250.85	72.22
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	278.64	82.53
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	327.64	87.69
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	380.68	94.56
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	405.55	99.73
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	426.96	103.16
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	439.78	103.16
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	230.26	65.34
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	304.01	84.25
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	305.44	89.41
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	407.18	96.29
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	470.93	106.60
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	527.20	110.04
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	563.61	115.20
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	335.73	92.85
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	331.31	98.00
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	447.28	106.60
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	513.74	116.92
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	581.53	122.07
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	614.21	127.23
26 27 16 00-0096 NEMA 12 Enclosures <small>(26 27 16)</small>		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0097)</small>		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	76.89	13.76
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	100.15	18.91
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	123.92	24.07
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	134.16	25.80
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	150.58	27.51
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	162.20	29.23
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0097)</small>		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	111.19	20.63
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	122.50	22.35
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	82.03	13.76
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	102.04	18.91
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	114.25	20.63
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	131.42	24.07
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	136.73	25.80
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	157.04	27.51
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	168.15	29.23
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	187.87	30.95
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	120.63	20.63
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	134.91	22.35
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	149.20	25.80
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	177.14	30.95
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	193.54	34.38
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	264.17	44.71
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	408.62	68.78
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	518.69	79.09
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	579.98	85.97
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0108)</small>		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	548.70	87.69

26 Electrical
26 20 Low-Voltage Electrical Distribution
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	622.58	94.56
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	678.00	99.73
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	737.31	103.16
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	729.30	103.16
26 27 16 00-0134 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0096)</small>		
26 27 16 00-0135 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0136 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,002.91	139.70
26 27 16 00-0137 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0138 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,038.79	154.74
26 27 16 00-0139 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,324.23	165.49
26 27 16 00-0140 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,693.01	206.33
26 27 16 00-0141 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,022.61	243.29
26 27 16 00-0142 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0143 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,268.85	243.29
26 27 16 00-0144 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,513.20	257.91
26 27 16 00-0145 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,833.06	275.10
26 27 16 00-0146 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,092.02	275.10
26 27 16 00-0147 NEMA 3 Enclosures <small>(26 27 16)</small>		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0148 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0149 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	217.70	60.18
26 27 16 00-0150 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0151 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	233.10	60.18
26 27 16 00-0152 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	295.72	62.32
26 27 16 00-0153 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	306.20	62.32
26 27 16 00-0154 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	382.65	64.48
26 27 16 00-0155 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0156 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	292.88	62.32
26 27 16 00-0157 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	320.29	62.32
26 27 16 00-0158 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	333.80	64.48
26 27 16 00-0159 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	417.99	64.48
26 27 16 00-0160 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	459.17	68.78
26 27 16 00-0161 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	494.12	73.08
26 27 16 00-0162 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	514.14	73.08
26 27 16 00-0163 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	609.70	75.22
26 27 16 00-0164 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	660.83	77.38
26 27 16 00-0165 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	901.88	85.97
26 27 16 00-0166 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0167 EA 6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	441.24	66.62
26 27 16 00-0168 EA 8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	554.79	75.22
26 27 16 00-0169 EA 8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	648.52	77.38
26 27 16 00-0170 EA 10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	746.03	79.52
26 27 16 00-0171 EA 10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	793.25	79.52
26 27 16 00-0172 EA 12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	901.63	85.97
26 27 16 00-0173 EA 12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,042.55	96.72
26 27 16 00-0174 EA 16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	982.57	92.42
26 27 16 00-0175 EA 18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,909.25	171.94
26 27 16 00-0176 EA 18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,296.33	214.92
26 27 16 00-0177 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0178 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	800.93	81.67
26 27 16 00-0179 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,202.33	107.46
26 27 16 00-0180 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,221.62	107.46
26 27 16 00-0181 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,657.17	161.19
26 27 16 00-0182 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,177.16	171.94
26 27 16 00-0183 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,506.32	300.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0184 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(2627 16 00-0147)</small>		
26 27 16 00-0185 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,901.04	214.92
26 27 16 00-0186 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(2627 16 00-0147)</small>		
26 27 16 00-0187 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,451.90	257.91
26 27 16 00-0188 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,664.52	236.42
26 27 16 00-0189 NEMA 3R Enclosures <small>(26 27 16)</small>		
Note: Rain-tight enclosures.		
26 27 16 00-0190 Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0191 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0192 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	64.93	17.20
26 27 16 00-0193 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	71.65	18.91
26 27 16 00-0194 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	97.41	18.91
26 27 16 00-0195 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0196 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	127.93	25.80
26 27 16 00-0197 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	143.20	29.23
26 27 16 00-0198 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	167.06	32.67
26 27 16 00-0199 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	180.05	34.38
26 27 16 00-0200 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	234.38	44.71
26 27 16 00-0201 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	281.20	55.02
26 27 16 00-0202 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	324.69	68.78
26 27 16 00-0203 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0204 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	483.25	87.69
26 27 16 00-0205 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	534.37	94.56
26 27 16 00-0206 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	597.57	99.73
26 27 16 00-0207 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	627.51	103.16
26 27 16 00-0208 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0209 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	597.97	106.60
26 27 16 00-0210 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	675.44	120.36
26 27 16 00-0211 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	747.88	133.26
26 27 16 00-0212 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	823.64	147.01
26 27 16 00-0213 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	896.94	159.90
26 27 16 00-0214 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	398.02	84.25
26 27 16 00-0215 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	597.97	106.60
26 27 16 00-0216 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	698.48	110.04
26 27 16 00-0217 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	873.05	120.36
26 27 16 00-0218 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0219 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	569.14	85.11
26 27 16 00-0220 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	638.39	95.43
26 27 16 00-0221 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	706.77	105.74
26 27 16 00-0222 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	781.36	116.92
26 27 16 00-0223 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	850.61	127.23
26 27 16 00-0224 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	425.30	63.62
26 27 16 00-0225 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	569.14	85.11
26 27 16 00-0226 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	638.39	95.43
26 27 16 00-0227 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	747.16	111.76
26 27 16 00-0228 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	850.61	127.23
26 27 16 00-0229 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	811.15	125.51
26 27 16 00-0230 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	850.61	127.23
26 27 16 00-0231 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	894.03	130.67
26 27 16 00-0232 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	991.17	137.55
26 27 16 00-0233 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,072.20	144.43
26 27 16 00-0234 Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0235 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0236 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	51.54	13.76
26 27 16 00-0237 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	62.30	17.20
26 27 16 00-0238 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	68.79	18.91
26 27 16 00-0239 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	76.29	20.63
26 27 16 00-0240 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	88.59	24.07
26 27 16 00-0241 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	96.57	25.80
26 27 16 00-0242 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	105.25	27.51
26 27 16 00-0243 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	104.78	27.51
26 27 16 00-0244 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	114.55	29.23

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 27 Low-Voltage Distribution Equipment



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 27 16 00-0245	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	123.23	30.95
26 27 16 00-0246	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	186.13	48.14
26 27 16 00-0247	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	248.34	61.89
26 27 16 00-0248		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0249	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	71.60	20.63
26 27 16 00-0250	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	97.84	25.80
26 27 16 00-0251	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	110.83	29.23
26 27 16 00-0252	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	120.16	30.95
26 27 16 00-0253	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	119.47	30.95
26 27 16 00-0254	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	129.35	32.67
26 27 16 00-0255	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	139.33	34.38
26 27 16 00-0256	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	181.85	44.71
26 27 16 00-0257	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	209.27	53.31
26 27 16 00-0258	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	279.34	68.78
26 27 16 00-0259	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	291.51	73.93
26 27 16 00-0260	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	333.46	79.09
26 27 16 00-0261	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	375.76	85.97
26 27 16 00-0262		8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0263	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	155.98	37.82
26 27 16 00-0264	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	225.73	58.46
26 27 16 00-0265	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	309.09	75.65
26 27 16 00-0266	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	368.97	87.69
26 27 16 00-0267	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	417.71	94.56
26 27 16 00-0268	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	464.33	99.73
26 27 16 00-0269		10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0270	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	340.95	84.25
26 27 16 00-0271	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	459.19	106.60
26 27 16 00-0272	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	504.13	110.04
26 27 16 00-0273		12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0274	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	507.32	116.92
26 27 16 00-0275	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	708.47	127.23
26 27 16 00-0276	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	732.25	130.67
26 27 16 00-0277	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	857.21	137.55
26 27 16 00-0278		NEMA 4 Enclosures <small>(26 27 16)</small>		
		Note: Water-tight enclosures.		
26 27 16 00-0279		Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0280	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	88.34	12.04
26 27 16 00-0281	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	102.86	14.61
26 27 16 00-0282	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	128.45	18.91
26 27 16 00-0283	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	121.83	18.91
26 27 16 00-0284	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	162.62	25.80
26 27 16 00-0285	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	203.10	30.95
26 27 16 00-0286	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	187.35	29.23
26 27 16 00-0287	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	218.28	34.38
26 27 16 00-0288	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	257.22	39.55
26 27 16 00-0289	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	310.99	49.86
26 27 16 00-0290		Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0291	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	80.65	12.04
26 27 16 00-0292	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	114.16	18.91
26 27 16 00-0293		Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0294	EA	6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	100.70	16.51
26 27 16 00-0295	EA	8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	106.83	17.88
26 27 16 00-0296	EA	10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	130.53	23.38
26 27 16 00-0297	EA	12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	153.13	25.80
26 27 16 00-0298	EA	14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	198.50	32.67
26 27 16 00-0299	EA	16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	231.91	38.68
26 27 16 00-0300	EA	18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	323.29	61.89
26 27 16 00-0301		NEMA 4X Enclosures <small>(26 27 16)</small>		
		Note: Water-tight enclosures.		
26 27 16 00-0302		Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
26 27 16 00-0303	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	180.26	13.76
26 27 16 00-0304	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	211.35	18.91



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0305	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure		267.12	25.80
26 27 16 00-0306	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure		324.44	30.95
26 27 16 00-0307	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure		399.38	39.55
26 27 16 00-0308	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure		470.26	49.86
26 27 16 00-0309 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures ^(26 27 16 00-0301)					
26 27 16 00-0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure		162.39	12.04
		<i>For 316L Stainless Steel, Add</i>		35.72	
26 27 16 00-0311	EA	6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure		212.28	17.20
		<i>For 316L Stainless Steel, Add</i>		45.71	
26 27 16 00-0312	EA	6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure		240.15	18.91
		<i>For 316L Stainless Steel, Add</i>		52.07	
26 27 16 00-0313	EA	8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure		274.16	20.63
		<i>For 316L Stainless Steel, Add</i>		60.10	
26 27 16 00-0314	EA	10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....		337.03	25.80
		<i>For 316L Stainless Steel, Add</i>		73.59	
26 27 16 00-0315	EA	12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....		471.55	32.67
		<i>For 316L Stainless Steel, Add</i>		105.27	
26 27 16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....		587.04	39.55
		<i>For 316L Stainless Steel, Add</i>		131.81	
26 27 16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....		709.23	49.86
		<i>For 316L Stainless Steel, Add</i>		157.83	
26 27 16 00-0318 Screw Cover, Polycarbonate NEMA 4X Enclosures ^(26 27 16 00-0301)					
		Note: NEMA 3R, 4, 4X and 12 rated.			
26 27 16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		88.64	18.91
26 27 16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		99.47	20.63
26 27 16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		114.06	24.07
26 27 16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		123.80	25.80
26 27 16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		142.74	29.23
26 27 16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		135.12	29.23
26 27 16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		156.74	32.67
26 27 16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		195.73	39.55
26 27 16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		251.86	54.16
26 27 16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		328.49	77.98
26 27 16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		94.63	18.91
26 27 16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		106.55	20.63
26 27 16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		121.68	24.07
26 27 16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		133.05	25.80
26 27 16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		152.54	29.23
26 27 16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		144.38	29.23
26 27 16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....		169.29	32.67
26 27 16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....		202.26	39.55
26 27 16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....		265.47	54.16
26 27 16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....		343.18	77.98
26 27 16 00-0339 Hinged Cover, Polycarbonate NEMA 4X Enclosures ^(26 27 16 00-0301)					
		Note: NEMA 3R, 4, 4X and 12 rated.			
26 27 16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		105.52	18.91
26 27 16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		113.08	20.63
26 27 16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		128.75	24.07
26 27 16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		139.04	25.80
26 27 16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		163.97	29.23
26 27 16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		152.00	29.23
26 27 16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		185.07	32.67
26 27 16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover		220.23	39.55
26 27 16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....		273.09	54.16
26 27 16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....		356.24	77.98
26 27 16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		109.87	18.91
26 27 16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		121.24	20.63
26 27 16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		136.37	24.07
26 27 16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		147.20	25.80
26 27 16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		174.85	29.23
26 27 16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		161.24	29.23
26 27 16 00-0356	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		196.50	32.67
26 27 16 00-0357	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		225.67	39.55
26 27 16 00-0358	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover		291.05	54.16
26 27 16 00-0359	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....		375.29	77.98
26 27 16 00-0360 NEMA 7/9 Enclosures ^(26 27 16)					
		Note: Nominal inside dimensions.			
26 27 16 00-0361 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures ^(26 27 16 00-0360)					
26 27 16 00-0362	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure		944.34	96.72
		<i>For Mounting Pan, Add</i>		39.75	
26 27 16 00-0363	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure		755.70	103.16
		<i>For Mounting Pan, Add</i>		74.07	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0364 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,468.32 102.13	116.06
26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0366 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,307.01 51.93	116.06
26 27 16 00-0367 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,699.71 102.13	119.29
26 27 16 00-0368 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,739.92 78.13	128.96
26 27 16 00-0369 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,785.26 91.41	128.96
26 27 16 00-0370 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,521.93 119.92	161.19
26 27 16 00-0371 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,376.71 74.88	145.07
26 27 16 00-0372 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,459.85 112.04	161.19
26 27 16 00-0373 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,804.03 150.73	290.15
26 27 16 00-0374 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,016.55 146.76	193.43
26 27 16 00-0375 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,965.95 134.74	322.39
26 27 16 00-0376 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,746.63 219.04	322.39
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,030.15 78.13	145.07
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,044.25 91.41	145.07
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,312.61 119.92	145.07
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,562.69 74.88	161.19
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,731.34 112.04	290.15
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,540.72 150.73	354.63
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,116.60 226.69	419.10
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,092.52 146.76	354.63
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,202.96 134.74	354.63
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,246.80 201.96	386.86
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	5,163.32 219.04	354.63
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,887.78 320.30	386.86
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,840.89 427.00	386.86
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	10,611.71 533.67	515.81
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	8,079.25 496.22	419.10
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	14,625.51 679.32	644.77
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,400.70 226.69	419.10
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,812.66 201.96	386.86
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,421.84 320.30	419.10
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	9,367.03 533.67	451.34
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	8,294.01 496.22	451.34
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	15,926.99 679.32	644.77



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Distribution Equipment	26 27

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0401 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,642.05 150.73	354.63
26 27 16 00-0403 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	315.21	68.78
26 27 16 00-0406 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	607.55	68.78
26 27 16 00-0407 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,534.27	94.56
26 27 16 00-0408 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	2,091.96	103.16
26 27 16 00-0409 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,511.98	103.16
26 27 16 00-0410 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	504.05	94.56
26 27 16 00-0411 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	510.61	94.56
26 27 16 00-0413 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	978.75	94.56
26 27 16 00-0414 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,441.40	120.36
26 27 16 00-0415 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	787.78	120.36
26 27 16 00-0416 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0417 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	779.64	189.13
26 27 16 00-0418 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,934.02	189.13
26 27 16 00-0419 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,814.08	240.72
26 27 16 00-0420 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,330.17	240.72
26 27 16 00-0421 300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0422 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,531.53	361.07
26 27 16 00-0423 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,751.65	361.07
26 27 16 00-0424 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	10,445.89	464.23
26 27 16 00-0425 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,551.31	464.23
26 27 16 00-0426 250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0427 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	1,906.59	361.07
26 27 16 00-0428 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,344.79	361.07
26 27 16 00-0429 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	7,036.51	464.23
26 27 16 00-0430 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0431 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	10.96	4.30
26 27 16 00-0432 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	12.97	4.30
26 27 23 Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001 Communication And Power Poles <small>(26 27 23)</small>		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	218.20	38.11
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	236.64	38.11
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	257.97	38.11
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	46.96	7.86
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles	38.86	7.86
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	43.87	7.86
26 27 23 00-0012 EA Add-On Cover Plate For Data And A/V Modular Devices	32.75	7.86
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting	27.14	7.86
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	281.44	38.11
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	321.07	38.11
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	342.46	38.11
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	30.27	7.86
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	27.31	7.86
26 27 23 00-0022 EA Add-On Cover Plate For Data And A/V Modular Devices	29.43	7.86
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	365.43	38.11
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	413.14	38.11
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	444.59	38.11
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle.....	30.27	7.86
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle.....	27.31	7.86
26 27 23 00-0031 EA Add-On Cover Plate For Data And A/V Modular Devices	29.43	7.86
26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	293.85	38.11
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	327.21	38.11
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	364.60	38.11
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	45.82	7.86
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles	46.76	7.86
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	49.89	7.86
26 27 23 00-0042 EA Add-On Cover Plate For Data And A/V Modular Devices	34.51	7.86
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting.....	27.14	7.86
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	283.43	38.11
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	317.64	38.11
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	357.95	38.11
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	588.15	38.11
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	672.06	38.11
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	766.03	38.11
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	321.67	38.11
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	304.76	38.11
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	389.15	38.11
26 27 26 Wiring Devices (26 27) Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002) Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	67.77	30.52
26 27 26 00-0005 EA 1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	72.48	32.67
26 27 26 00-0006 EA 2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	86.85	39.11
26 27 26 00-0007 EA 2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	96.28	43.41
26 27 26 00-0008 EA 1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly.....	73.40	30.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0009 EA 1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	78.42	32.67
26 27 26 00-0010 Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011 EA 15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	18.74	8.60
26 27 26 00-0012 EA 15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	18.41	8.60
26 27 26 00-0013 EA 15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	20.35	8.60
26 27 26 00-0014 EA 15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	21.47	8.60
26 27 26 00-0015 EA 15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	27.19	10.74
26 27 26 00-0016 EA 15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	30.87	10.74
26 27 26 00-0017 EA 20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	19.17	8.60
26 27 26 00-0018 EA 20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	18.82	8.60
26 27 26 00-0019 EA 20 Amp, Single Receptacle, 120/277 Volt	23.87	8.60
26 27 26 00-0020 EA 20 Amp, Duplex Receptacle, 120/277 Volt	21.11	8.60
26 27 26 00-0021 EA 20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	27.19	10.74
26 27 26 00-0022 EA 20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	30.87	10.74
26 27 26 00-0023 EA 20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	42.68	10.74
26 27 26 00-0024 EA 20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	42.68	10.74
26 27 26 00-0025 EA 25 Amp, Duplex Receptacle, 120/277 Volt	39.40	12.90
26 27 26 00-0026 Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0027 Specialty <small>(26 27 26 00-0026)</small>		
26 27 26 00-0028 EA 30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	38.43	15.04
26 27 26 00-0029 EA 30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	38.43	15.04
26 27 26 00-0030 EA 30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	51.00	15.04
26 27 26 00-0031 EA 30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	51.26	15.04
26 27 26 00-0032 EA 30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	55.56	17.20
26 27 26 00-0033 EA 50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	52.50	17.20
26 27 26 00-0034 EA 50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	51.64	17.20
26 27 26 00-0035 EA 50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	47.19	17.20
26 27 26 00-0036 EA 50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	61.16	17.20
26 27 26 00-0037 EA 50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	60.26	17.20
26 27 26 00-0038 EA 50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	64.56	19.34
26 27 26 00-0039 EA 60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	71.22	21.50
26 27 26 00-0040 EA 60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	79.82	25.80
26 27 26 00-0041 EA 100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	718.30	202.03
26 27 26 00-0042 EA 400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,535.25	247.16
26 27 26 00-0043 EA 30 Amp, Dryer Receptacle, 230 Volt	45.18	17.20
26 27 26 00-0044 EA 60 Amp, Range Receptacle, 230 Volt	66.71	25.80
26 27 26 00-0045 EA 15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	37.58	10.74
26 27 26 00-0046 EA Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	798.97	261.96
26 27 26 00-0047 Isolated Ground Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0048 EA 15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	52.18	8.60
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	33.39	10.74
26 27 26 00-0050 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	33.30	10.74
26 27 26 00-0051 EA 30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	48.31	17.20
26 27 26 00-0052 EA Locking 15 Amp, 250 Volt Isolated Ground Receptacles	36.22	10.74
26 27 26 00-0053 EA Locking 15 Amp, 277 Volt Isolated Ground Receptacles	34.02	10.74
26 27 26 00-0054 EA Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	45.21	12.90
26 27 26 00-0055 EA Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	38.35	12.90
26 27 26 00-0056 EA Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	46.03	12.90
26 27 26 00-0057 EA Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	53.51	12.90
26 27 26 00-0058 EA Locking 30 Amp, 277 Volt Isolated Ground Receptacles	56.81	17.20
26 27 26 00-0059 Explosion Proof Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0060 EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	486.13	21.50
26 27 26 00-0061 EA 3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	449.89	23.64
26 27 26 00-0062 EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	749.89	42.98
26 27 26 00-0063 EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	938.84	42.98
26 27 26 00-0064 EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,193.19	64.48
26 27 26 00-0065 EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,138.48	64.48
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0067 EA 15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	21.88	10.74
26 27 26 00-0068 EA 20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	33.36	12.90
26 27 26 00-0069 EA 15 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	22.88	14.63
26 27 26 00-0070 EA 20 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	39.13	17.20
26 27 26 00-0071 Locking Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0072 EA Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase	43.32	10.74
26 27 26 00-0073 EA Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase	44.61	10.74
26 27 26 00-0074 EA Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles	34.15	12.90

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 27 26 00-0075	EA	Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles	34.20	12.90
26 27 26 00-0076	EA	Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles	35.93	12.90
26 27 26 00-0077	EA	Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles	39.94	12.90
26 27 26 00-0078	EA	Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles	37.56	12.90
26 27 26 00-0079	EA	Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles	38.16	12.90
26 27 26 00-0080	EA	Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles	43.94	17.20
26 27 26 00-0081	EA	Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles	44.49	17.20
26 27 26 00-0082	EA	Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase	50.32	17.20
26 27 26 00-0083		Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0084	EA	20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	170.47	42.98
26 27 26 00-0085	EA	20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	170.12	42.98
26 27 26 00-0086	EA	20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	176.71	42.98
26 27 26 00-0087	EA	20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	213.25	47.28
26 27 26 00-0088	EA	20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	213.80	47.28
26 27 26 00-0089	EA	20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	212.53	47.28
26 27 26 00-0090	EA	30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	253.02	52.87
26 27 26 00-0091	EA	30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	242.30	52.87
26 27 26 00-0092	EA	30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	259.08	52.87
26 27 26 00-0093	EA	30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	263.79	58.03
26 27 26 00-0094	EA	30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	263.58	58.03
26 27 26 00-0095	EA	30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	265.10	58.03
26 27 26 00-0096	EA	60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	365.28	68.78
26 27 26 00-0097	EA	60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	352.30	68.78
26 27 26 00-0098	EA	60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	360.75	68.78
26 27 26 00-0099	EA	60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	401.71	76.52
26 27 26 00-0100	EA	60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	401.96	76.52
26 27 26 00-0101	EA	60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	402.21	76.52
26 27 26 00-0102	EA	100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	447.48	85.97
26 27 26 00-0103	EA	100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	464.12	85.97
26 27 26 00-0104	EA	100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	500.26	94.56
26 27 26 00-0105	EA	100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	499.01	94.56
26 27 26 00-0106	EA	100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	501.36	94.56
26 27 26 00-0107		Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0108	EA	15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles	36.84	8.60
26 27 26 00-0109	EA	15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles	67.91	10.74
26 27 26 00-0110		Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0111	EA	15 Amp, 125 Volt Duplex Tamper Resistant Receptacle	20.13	8.60
		Note: Pass & Seymour 3232-TR.		
26 27 26 00-0112	EA	20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle	21.63	8.60
		Note: Pass & Seymour TR20.		
26 27 26 00-0113	EA	15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle	25.95	8.60
		Note: Pass & Seymour TR5251.		
26 27 26 00-0114	EA	20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle	27.98	8.60
		Note: Pass & Seymour TR5351.		
26 27 26 00-0115	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle	40.16	8.60
		Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0116	EA	15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle	43.07	8.60
		Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0117	EA	20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle	45.84	8.60
		Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0118		Television Receptacle <small>(26 27 26 00-0001)</small>		
26 27 26 00-0119	EA	TV Receptacle With Cover (Type F) - Complete	48.11	19.94
26 27 26 00-0120		Switches <small>(26 27 26)</small>		
26 27 26 00-0121		Switches <small>(26 27 26 00-0120)</small>		
26 27 26 00-0122		Switch Assemblies <small>(26 27 26 00-0121)</small>		
		Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0123	EA	1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	68.72	30.08
26 27 26 00-0124	EA	1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	74.08	32.67
26 27 26 00-0125	EA	2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	90.89	39.33
26 27 26 00-0126	EA	2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	99.90	43.63
26 27 26 00-0127	EA	3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	156.19	67.49
26 27 26 00-0128	EA	3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	169.70	73.93
26 27 26 00-0129	EA	4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly	178.21	76.29
26 27 26 00-0130	EA	4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly	196.21	84.89
26 27 26 00-0131		Switch Components <small>(26 27 26 00-0121)</small>		



		Electrical	26
		Low-Voltage Electrical Distribution	26 20
		Low-Voltage Distribution Equipment	26 27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0132 EA 15 Amp, 120/277 Volt, SPST Switch.....	20.22	8.60
26 27 26 00-0133 EA 15 Amp, 120/277 Volt, 3-Way Switch.....	25.47	10.74
26 27 26 00-0134 EA 15 Amp, 120/277 Volt, 4-Way Switch.....	45.89	17.20
26 27 26 00-0135 EA 15 Amp, 120/277 Volt, DPST Switch	21.98	8.60
26 27 26 00-0136 EA 15 Amp, 120/277 Volt, Thermal Switch.....	36.51	10.74
26 27 26 00-0137 EA 20 Amp, 120/277 Volt, SPST Switch.....	24.72	10.74
26 27 26 00-0138 EA 20 Amp, 120/277 Volt, 3-Way Switch.....	30.21	12.90
26 27 26 00-0139 EA 20 Amp, 120/277 Volt, 4-Way Switch.....	56.34	17.20
26 27 26 00-0140 EA 20 Amp, 120/277 Volt, DPST Switch	27.54	10.74
26 27 26 00-0141 EA 20 Amp, 120/277 Volt, DPDT Switch	28.79	10.74
26 27 26 00-0142 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	46.69	10.76
26 27 26 00-0143 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	58.16	10.76
26 27 26 00-0144 EA Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	45.57	12.92
26 27 26 00-0145 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	36.34	15.04
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0146 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	43.49	17.20
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0147 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	56.37	17.20
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0148 EA 30 Amp, 120/277 Volt, Single Pole Local Switch	48.52	17.22
26 27 26 00-0149 EA 30 Amp, 120/277 Volt, Double Pole Local Switch	58.82	17.22
26 27 26 00-0150 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	62.38	21.53
26 27 26 00-0151 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	85.52	23.68
26 27 26 00-0152 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	45.10	14.08
26 27 26 00-0153 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot	60.81	14.08
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0154 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	54.04	14.08
26 27 26 00-0155 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	51.71	14.08
26 27 26 00-0156 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	52.98	6.98
26 27 26 00-0157 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	56.14	6.98
26 27 26 00-0158 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	62.79	26.86
26 27 26 00-0159 EA Momentary Contact Switch, Three Position, Center Off, Key Operated..... Note: 15A, 120/277 V, Single Pole	74.26	26.86
26 27 26 00-0160 Specialty Switches (26 27 26 00-0120)		
26 27 26 00-0161 Dimmers With SPST Switch (26 27 26 00-0160)		
26 27 26 00-0162 EA 600 Watt Dimmers With SPST Switch	45.21	19.34
26 27 26 00-0163 EA 1,000 Watt Dimmers With SPST Switch	65.58	19.34
26 27 26 00-0164 EA 1,500 Watt Dimmers With SPST Switch	114.88	31.12
26 27 26 00-0165 EA 2,000 Watt Dimmers With SPST Switch	140.87	31.12
26 27 26 00-0166 EA 600 Watt Fluorescent Dimmer Switch.....	83.34	22.95
26 27 26 00-0167 EA 1,000 Watt Fluorescent Dimmer Switch	105.70	22.95
26 27 26 00-0168 EA 1,500 Watt Fluorescent Dimmer Switch.....	185.28	34.64
26 27 26 00-0169 EA Remote Speed Switch For Paddle Fan.....	71.64	28.63
26 27 26 00-0170 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	114.24	42.72
26 27 26 00-0171 Time Switches (26 27 26 00-0160)		
26 27 26 00-0172 EA 40 Amp, SPST, 125 Volt, Standard Time Switch	75.11	25.80
26 27 26 00-0173 EA 40 Amp, SPST, 277 Volt, Standard Time Switch	76.29	25.80
26 27 26 00-0174 EA 40 Amp, DPST, 125 Volt, Standard Time Switch.....	75.11	25.80
26 27 26 00-0175 EA 40 Amp, DPST, 277 Volt, Standard Time Switch.....	76.29	25.80
26 27 26 00-0176 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch	82.95	25.80
26 27 26 00-0177 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch	82.95	25.80
26 27 26 00-0178 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	129.23	25.80
26 27 26 00-0179 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	129.23	25.80
26 27 26 00-0180 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch	114.38	25.80
26 27 26 00-0181 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch	123.45	25.80
26 27 26 00-0182 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	123.45	25.80
26 27 26 00-0183 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	144.88	25.80
26 27 26 00-0184 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	148.49	25.80
26 27 26 00-0185 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	75.11	25.80
26 27 26 00-0186 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	76.29	25.80
26 27 26 00-0187 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	75.11	25.80
26 27 26 00-0188 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof.....	76.29	25.80
26 27 26 00-0189 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	82.95	25.80
26 27 26 00-0190 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	82.95	25.80
26 27 26 00-0191 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	129.23	25.80
26 27 26 00-0192 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	129.23	25.80
26 27 26 00-0193 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	144.88	25.80
26 27 26 00-0194 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	148.49	25.80
26 27 26 00-0195 Low Voltage Switching (26 27 26 00-0160)		
26 27 26 00-0196 EA 36 Pin Male Or Female Connector.....	93.27	8.60
26 27 26 00-0197 Other Switches (26 27 26 00-0160)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0198 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	27.26	12.90
26 27 26 00-0199 EA Locking Switch, SPST Concealed Devices.....	78.86	34.38
26 27 26 00-0200 EA Locking Switch, 3-Way Concealed Devices	79.53	34.38
26 27 26 00-0201 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	82.25	32.15
26 27 26 00-0202 EA 15 Amp Momentary Contact Switch	79.68	32.15
26 27 26 00-0203 EA 20 Amp Momentary Contact Switch.....	82.39	32.15
26 27 26 00-0204 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	85.03	38.75
26 27 26 00-0205 EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	85.78	38.75
26 27 26 00-0206 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	105.26	47.36
26 27 26 00-0207 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	95.71	43.05
26 27 26 00-0208 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	95.90	43.05
26 27 26 00-0209 Plates And Covers <small>(26 27 26)</small>		
26 27 26 00-0210 Wall Plates <small>(26 27 26 00-0209)</small>		
26 27 26 00-0211 Nylon Wall Plates <small>(26 27 26 00-0210)</small>		
26 27 26 00-0212 EA 1 Gang Nylon Switch Plate	1.23	0.43
26 27 26 00-0213 EA 2 Gang Nylon Switch Plate	2.04	0.64
26 27 26 00-0214 EA 3 Gang Nylon Switch Plate	2.88	0.86
26 27 26 00-0215 EA 4 Gang Nylon Switch Plate	4.06	1.07
26 27 26 00-0216 EA 1 Gang Duplex Nylon Wall Plate.....	1.24	0.43
26 27 26 00-0217 EA 2 Gang Duplex Nylon Wall Plate	2.09	0.64
26 27 26 00-0218 Plastic Wall Plates <small>(26 27 26 00-0210)</small>		
26 27 26 00-0219 EA 1 Gang Plastic Switch Plate	1.16	0.43
26 27 26 00-0220 EA 2 Gang Plastic Switch Plate	1.89	0.64
26 27 26 00-0221 EA 3 Gang Plastic Switch Plate	2.64	0.86
26 27 26 00-0222 EA 4 Gang Plastic Switch Plate	4.06	1.07
26 27 26 00-0223 EA 1 Gang Duplex Plastic Wall Plate	1.16	0.43
26 27 26 00-0224 EA 2 Gang Duplex Plastic Wall Plate	1.90	0.64
26 27 26 00-0225 Brass Wall Plates <small>(26 27 26 00-0210)</small>		
26 27 26 00-0226 EA 1 Gang 0.04" Brass Switch Plate	10.94	1.94
26 27 26 00-0227 EA 2 Gang 0.04" Brass Switch Plate	19.83	2.24
26 27 26 00-0228 EA 3 Gang 0.04" Brass Switch Plate	28.62	2.50
26 27 26 00-0229 EA 4 Gang 0.04" Brass Switch Plate	43.94	2.71
26 27 26 00-0230 EA 5 Gang 0.04" Brass Switch Plate	53.32	2.88
26 27 26 00-0231 EA 6 Gang 0.04" Brass Switch Plate	61.54	3.01
26 27 26 00-0232 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	10.94	1.94
26 27 26 00-0233 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	23.05	2.24
26 27 26 00-0234 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	32.87	2.50
26 27 26 00-0235 Stainless Steel Wall Plates <small>(26 27 26 00-0210)</small>		
26 27 26 00-0236 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	6.29	1.94
26 27 26 00-0237 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	9.67	2.24
26 27 26 00-0238 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	13.20	2.50
26 27 26 00-0239 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	18.89	2.71
26 27 26 00-0240 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	22.10	2.88
26 27 26 00-0241 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	26.48	3.01
26 27 26 00-0242 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	6.80	1.94
26 27 26 00-0243 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	10.88	2.24
26 27 26 00-0244 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	17.19	2.50
26 27 26 00-0245 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	20.62	2.71
26 27 26 00-0246 Chrome Wall Plates <small>(26 27 26 00-0210)</small>		
26 27 26 00-0247 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	20.95	1.94
26 27 26 00-0248 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	38.58	2.24
26 27 26 00-0249 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	56.16	2.50
26 27 26 00-0250 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	20.93	1.94
26 27 26 00-0251 Weatherproof Covers <small>(26 27 26 00-0209)</small>		
26 27 26 00-0252 Stamped Metallic Weatherproof Covers <small>(26 27 26 00-0251)</small>		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0253 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	8.22	0.43
26 27 26 00-0254 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	8.90	0.43
26 27 26 00-0255 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	8.90	0.43
26 27 26 00-0256 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	8.90	0.43
26 27 26 00-0257 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	10.93	0.64
26 27 26 00-0258 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	12.40	0.64
26 27 26 00-0259 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	12.55	0.64
26 27 26 00-0260 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	12.55	0.64
26 27 26 00-0261 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	17.03	0.64
26 27 26 00-0262 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	16.17	0.86



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 26 00-0263	EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	17.67	0.86
26 27 26 00-0264		Cast Metallic Weatherproof Covers <small>(26 27 26 00-0251)</small> Note: Includes electrostatically applied powder coating and neoprene gasket.		
	26 27 26 00-0265	EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.05	0.43
	26 27 26 00-0266	EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	31.99	0.43
	26 27 26 00-0267	EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	35.87	0.43
	26 27 26 00-0268	EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	9.98	0.43
	26 27 26 00-0269	EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	27.13	0.43
	26 27 26 00-0270	EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	45.09	0.43
	26 27 26 00-0271	EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	57.40	0.43
	26 27 26 00-0272	EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.55	0.64
	26 27 26 00-0273	EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	90.66	0.64
	26 27 26 00-0274	EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	20.99	0.86
	26 27 26 00-0275	EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	86.65	0.86
26 27 26 00-0276		Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0251)</small> Note: Includes electrostatically applied powder coating and neoprene gasket.		
	26 27 26 00-0277	EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.55	0.43
	26 27 26 00-0278	EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.54	0.43
	26 27 26 00-0279	EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.10	0.64
	26 27 26 00-0280	EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	6.61	0.64
	26 27 26 00-0281	EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.61	0.64
	26 27 26 00-0282	EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.35	0.64
26 27 26 00-0283		Heavy Duty Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0251)</small> Note: Includes baked on lacquer finish and neoprene gasket.		
	26 27 26 00-0284	EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	35.61	0.43
26 27 26 00-0285		Polycarbonate Weatherproof Covers <small>(26 27 26 00-0251)</small> Note: Includes neoprene gasket.		
	26 27 26 00-0286	EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.23	0.43
	26 27 26 00-0287	EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.23	0.43
	26 27 26 00-0288	EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.23	0.43
	26 27 26 00-0289	EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.96	0.64
	26 27 26 00-0290	EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.96	0.64
26 27 26 00-0291		High Impact Thermoplastic Weatherproof Covers <small>(26 27 26 00-0251)</small> Note: Includes neoprene gasket.		
	26 27 26 00-0292	EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	46.30	0.43
26 27 26 00-0293		Non Metallic (PVC) Weatherproof Covers <small>(26 27 26 00-0251)</small> Note: Includes neoprene gasket.		
	26 27 26 00-0294	EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	727.44	0.43
	26 27 26 00-0295	EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	749.43	0.64
	26 27 26 00-0296	EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	730.04	0.43
	26 27 26 00-0297	EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,698.45	0.43
	26 27 26 00-0298	EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,980.79	0.43
	26 27 26 00-0299	EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,591.55	0.43
	26 27 26 00-0300	EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,166.99	0.43
	26 27 26 00-0301	EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,378.45	0.43
	26 27 26 00-0302	EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,224.57	0.43
	26 27 26 00-0303	EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	1,758.91	0.64
26 27 26 00-0304		Removal And Reinstallation Of Wiring Devices <small>(26 27 26)</small> Note: Includes storage and cleaning.		
	26 27 26 00-0305	EA Remove And Reinstall Receptacle, Switch, Outlet Or Special System Device.....	56.56	
	26 27 26 00-0306	EA Remove And Reinstall Receptacle Or Switch Outlet Cover Plate.....	7.17	
26 27 26 00-0307		In Line Midget Fuseholders <small>(26 27 26)</small> See CSI section 26 28 13 00-0078 for fuses.		
	26 27 26 00-0308	EA Single Pole Water Resistant In Line Midget Fuseholder.....	55.08	
	26 27 26 00-0309	EA Double Pole Water Resistant In Line Midget Fuseholder.....	115.60	
26 27 26 00-0310		Relay Systems <small>(26 27 26)</small>		
	26 27 26 00-0311	EA Relay 2 Position, 10 Amp, 24 Volt Coil.....	59.33	19.34
	26 27 26 00-0312	EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts.....	239.42	64.48

26 Electrical
26 20 Low-Voltage Electrical Distribution
 26 27 Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27	26 00-0313	EA	Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts	393.05	85.97
26 27	26 00-0314		Limit Switches (26 27 26)		
26 27	26 00-0315		Heavy Duty Precision Oiltight (26 27 26 00-0314)		
26 27	26 00-0316		Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0315)		
26 27	26 00-0317	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated.....	272.91	54.16
26 27 73	26 27 73		Door Chimes (26 27)		
26 27	73 00-0001		Door Bell System (26 27 73)		
26 27	73 00-0002	EA	Door Bell, Push-button And Transformer - Complete.....	421.77	179.08
26 27	73 00-0003	EA	Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	145.65	42.98
26 27	73 00-0004	EA	Replacement Bell/Buzzer - Complete	62.59	21.50
			Note: Includes removal of existing.		
26 28	Low-Voltage Circuit Protective Devices (26 20)				
26 28 13	26 28 13		Fuses (26 28)		
26 28	13 00-0001		125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)		
26 28	13 00-0002	EA	1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.93	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0003	EA	2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.60	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0004	EA	3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.14	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0005	EA	5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.08	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0006	EA	6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.50	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0007	EA	8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.68	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0008	EA	10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.48	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0009	EA	15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.88	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0010	EA	20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.63	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0011	EA	25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	15.10	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0012	EA	30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.77	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0013		Class RK1, Time Delay Fuses (26 28 13)		
26 28	13 00-0014		250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)		
26 28	13 00-0015	EA	1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.83	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0016	EA	2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.38	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0017	EA	3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.39	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0018	EA	4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.26	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0019	EA	5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.25	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0020	EA	10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.64	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0021	EA	15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.03	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0022	EA	20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.91	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0023	EA	25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.04	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0024	EA	30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.88	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0025	EA	35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.72	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0026	EA	40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.24	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0027	EA	45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.60	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0028	EA	50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.30	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	
26 28	13 00-0029	EA	60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.86	6.19
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0030	250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses ^(26 28)			
	^{13 00-0013}			
26 28 13 00-0031	EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	49.48	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0032	EA 80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	49.24	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0033	EA 90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	54.16	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0034	EA 100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	48.86	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0035	EA 110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	129.79	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0036	EA 125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	96.28	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0037	EA 150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	89.34	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0038	EA 200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	93.81	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0039	EA 250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	170.91	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0040	EA 300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	184.73	10.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.96		
26 28 13 00-0041	EA 350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	198.08	10.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.96		
26 28 13 00-0042	EA 400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	154.28	10.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.96		
26 28 13 00-0043	EA 450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	334.99	10.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.96		
26 28 13 00-0044	EA 500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	318.95	12.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.51		
26 28 13 00-0045	EA 600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	250.65	12.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.51		
26 28 13 00-0046	600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ⁽²⁶⁾			
	^{28 13 00-0013}			
26 28 13 00-0047	EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.81	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0048	EA 2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	35.49	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0049	EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.55	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0050	EA 4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.19	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0051	EA 5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.64	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0052	EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.84	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0053	EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.72	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0054	EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.51	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0055	EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.23	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0056	EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.64	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0057	EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.20	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0058	EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.30	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0059	EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.51	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0060	EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	43.88	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0061	EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	44.21	6.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.13		
26 28 13 00-0062	600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses ^(26 28)			
	^{13 00-0013}			
26 28 13 00-0063	EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	80.48	7.74	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.16		
26 28 13 00-0064	EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	82.82	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0065	EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	82.40	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0066	EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	82.73	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0067	EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	147.07	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		
26 28 13 00-0068	EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	149.20	8.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0069	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	148.62	10.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.96	
26 28 13 00-0070	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	148.27	10.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.96	
26 28 13 00-0071	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	276.49	10.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.96	
26 28 13 00-0072	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	279.66	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51	
26 28 13 00-0073	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	314.30	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51	
26 28 13 00-0074	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	285.55	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51	
26 28 13 00-0075	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	506.23	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51	
26 28 13 00-0076	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	453.65	15.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 28 13 00-0077	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	396.97	15.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13)					
Note: 250/300 Volt DC.					
26 28 13 00-0079	EA		1 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.14	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0080	EA		2 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.53	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0081	EA		3 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.42	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0082	EA		5 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.30	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0083	EA		6 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.11	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0084	EA		8 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.20	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0085	EA		10 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.62	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0086	EA		15 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.31	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0087	EA		20 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.83	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0088	EA		25 Amp, 600 Volt AC, Class CC Midget Fuse.....	27.74	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0089	EA		30 Amp, 600 Volt AC, Class CC Midget Fuse.....	28.67	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.13	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)					
26 28 13 00-0091	EA		1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.99	4.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.58	
26 28 13 00-0092	EA		3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	35.24	4.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.58	
26 28 13 00-0093	EA		6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.20	5.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09	
26 28 13 00-0094	EA		10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.77	6.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 28 13 00-0095	EA		15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	32.37	6.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 28 13 00-0096	EA		20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	31.83	6.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.87	
26 28 13 00-0097	EA		25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	40.76	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 28 13 00-0098	EA		30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.71	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 28 13 00-0099	EA		35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	57.30	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 28 13 00-0100	EA		40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	49.52	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 28 13 00-0101	EA		45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	56.11	8.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 28 13 00-0102	EA		50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	51.46	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 28 13 00-0103	EA		60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	50.62	10.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 28 13 00-0104	EA		70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	76.60	12.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 28 13 00-0105	EA		80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	81.22	12.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 28 13 00-0106	EA		90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	80.04	12.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.74	
26 28 13 00-0107	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	72.08	15.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 28 13 00-0108	EA		110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	158.25	15.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.66 9.03	15.04
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.85 10.32	17.20
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.64 10.32	17.20
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.64 10.32	17.20
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.73 10.32	17.20
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.12 10.32	17.20
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.26 10.32	17.20
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.33 10.32	17.20
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.35 11.61	19.34
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	433.37 11.61	19.34
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	370.47 12.90	21.50
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.44 12.90	21.50
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small>		
26 28 13 00-0122 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	815.48 6.45	10.74
26 28 13 00-0123 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	817.08 6.45	10.74
26 28 13 00-0124 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	818.57 6.45	10.74
26 28 13 00-0125 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	817.15 7.74	12.90
26 28 13 00-0126 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	753.14 7.74	12.90
26 28 13 00-0127 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	806.54 9.02	15.04
26 28 13 00-0128 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	743.00 9.02	15.04
26 28 13 00-0129 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	830.02 9.02	15.04
26 28 13 00-0130 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	813.98 9.02	15.04
26 28 13 00-0131 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	726.12 10.31	17.20
26 28 13 00-0132 EA 601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	745.40 10.31	17.20
26 28 13 00-0133 EA 650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	987.80 10.31	17.20
26 28 13 00-0134 EA 700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	722.62 10.31	17.20
26 28 13 00-0135 EA 750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,105.62 11.60	19.34
26 28 13 00-0136 EA 800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	641.50 11.60	19.34
26 28 13 00-0137 EA 900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	931.70 11.60	19.34
26 28 13 00-0138 EA 1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	630.90 11.60	19.34
26 28 13 00-0139 EA 1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.34 11.60	19.34
26 28 13 00-0140 EA 1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,429.98 11.60	19.34
26 28 13 00-0141 EA 1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,410.05 11.60	19.34
26 28 13 00-0142 EA 1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,273.27 11.60	19.34
26 28 13 00-0143 EA 1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	800.91 12.89	21.50
26 28 13 00-0144 EA 1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,683.55 12.89	21.50
26 28 13 00-0145 EA 2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,082.25 12.89	21.50
26 28 13 00-0146 EA 2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,458.67 12.89	21.50
26 28 13 00-0147 EA 2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,476.19 12.89	21.50
26 28 13 00-0148 EA 3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,625.93 14.18	23.64
26 28 13 00-0149 EA 3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,347.78 14.18	23.64

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0150 EA 3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,882.39 14.18	23.64
26 28 13 00-0151 EA 4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,250.73 14.18	23.64
26 28 13 00-0152 EA 5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,544.08 14.18	23.64
26 28 13 00-0153 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,857.87 14.18	23.64
26 28 16 Enclosed Switches And Circuit Breakers (26 28)		
26 28 16 00-0001 Motor And Circuit Disconnects (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002) Note: Includes fuses and neutral bar.		
26 28 16 00-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0005 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	296.61	85.97
26 28 16 00-0006 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	456.54	103.59
26 28 16 00-0007 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	620.98	121.22
26 28 16 00-0008 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,064.28	190.85
26 28 16 00-0009 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,229.70	296.59
26 28 16 00-0010 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,706.06	438.45
26 28 16 00-0011 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,030.69	515.81
26 28 16 00-0012 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,726.59	601.79
26 28 16 00-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0014 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	440.63	95.52
26 28 16 00-0015 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	531.57	115.11
26 28 16 00-0016 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	830.56	134.54
26 28 16 00-0017 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,232.15	212.35
26 28 16 00-0018 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,647.69	329.43
26 28 16 00-0019 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,119.21	486.93
26 28 16 00-0020 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,046.40	572.82
26 28 16 00-0021 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,225.85	668.67
26 28 16 00-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0023 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	425.90	134.97
26 28 16 00-0024 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	621.44	179.25
26 28 16 00-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	823.85	199.02
26 28 16 00-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,302.19	311.64
26 28 16 00-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,663.45	511.51
26 28 16 00-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,296.58	716.56
26 28 16 00-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	548.09	149.16
26 28 16 00-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	699.47	199.02



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,009.33	223.95
26 28 16 00-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,489.69	341.30
26 28 16 00-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,253.72	551.06
26 28 16 00-0035 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,208.01	796.08
26 28 16 00-0036 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,188.71	945.66
26 28 16 00-0037 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,426.17	1,074.62
26 28 16 00-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0039 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	413.93	134.97
26 28 16 00-0040 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	605.97	179.25
26 28 16 00-0041 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	795.69	199.02
26 28 16 00-0042 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,340.91	311.64
26 28 16 00-0043 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,881.65	511.51
26 28 16 00-0044 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,624.84	716.56
26 28 16 00-0045 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,567.59	902.68
26 28 16 00-0046 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,306.81	1,031.64
26 28 16 00-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0003)</small>		
26 28 16 00-0048 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	592.02	149.16
26 28 16 00-0049 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	753.46	199.02
26 28 16 00-0050 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,088.27	223.95
26 28 16 00-0051 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,607.86	341.30
26 28 16 00-0052 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,505.86	551.06
26 28 16 00-0053 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,653.31	796.08
26 28 16 00-0054 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,928.02	945.66
26 28 16 00-0055 EA 1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,224.78	1,074.62
26 28 16 00-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0058 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	289.04	124.40
26 28 16 00-0059 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	444.66	173.05
26 28 16 00-0060 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	604.34	199.02
26 28 16 00-0061 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	948.07	318.43
26 28 16 00-0062 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,888.73	530.68
26 28 16 00-0063 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,057.16	723.69
26 28 16 00-0064 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,331.04	859.69
26 28 16 00-0065 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,690.77	1,003.34
26 28 16 00-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0067 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	319.23	137.30
26 28 16 00-0068 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	503.13	194.21

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0069 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	682.25	221.12
26 28 16 00-0070 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,059.41	346.12
26 28 16 00-0071 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,031.96	568.60
26 28 16 00-0072 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,380.98	795.99
26 28 16 00-0073 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,782.97	859.69
26 28 16 00-0074 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,309.68	1,003.34
26 28 16 00-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	340.98	111.76
26 28 16 00-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	516.91	155.61
26 28 16 00-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	687.42	179.25
26 28 16 00-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,081.68	286.71
26 28 16 00-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,134.91	477.56
26 28 16 00-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,403.69	651.21
26 28 16 00-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,746.22	773.73
26 28 16 00-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,454.34	902.68
26 28 16 00-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	372.46	123.37
26 28 16 00-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	569.56	174.95
26 28 16 00-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	750.75	199.02
26 28 16 00-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,167.84	311.64
26 28 16 00-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,287.41	511.51
26 28 16 00-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,684.02	716.56
26 28 16 00-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,045.02	773.73
26 28 16 00-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	394.75	123.54
26 28 16 00-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	607.58	174.78
26 28 16 00-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	812.57	199.02
26 28 16 00-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,263.07	311.47
26 28 16 00-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,420.63	511.69
26 28 16 00-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,078.28	716.39
26 28 16 00-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,495.30	773.73
26 28 16 00-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,462.73	902.68
26 28 16 00-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	555.11	111.93
26 28 16 00-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	677.50	155.78
26 28 16 00-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,018.65	179.08
26 28 16 00-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,534.69	286.54



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	601.94	123.37
26 28 16 00-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	741.65	174.95
26 28 16 00-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,105.64	199.02
26 28 16 00-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,653.22	311.64
26 28 16 00-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0112 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	663.99	123.54
26 28 16 00-0113 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	810.09	174.78
26 28 16 00-0114 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,228.72	199.02
26 28 16 00-0115 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,832.51	311.47
26 28 16 00-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0118 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	210.90	74.79
26 28 16 00-0119 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	283.48	90.01
26 28 16 00-0120 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	424.89	105.23
26 28 16 00-0121 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	776.82	166.01
26 28 16 00-0122 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,801.50	257.48
26 28 16 00-0123 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,335.32	381.10
26 28 16 00-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0125 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	296.22	117.52
26 28 16 00-0126 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	414.72	155.78
26 28 16 00-0127 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	560.54	173.05
26 28 16 00-0128 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	987.31	270.89
26 28 16 00-0129 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,178.12	444.98
26 28 16 00-0130 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,822.28	622.93
26 28 16 00-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0132 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	325.17	117.52
26 28 16 00-0133 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	461.40	155.78
26 28 16 00-0134 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	603.01	173.05
26 28 16 00-0135 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,094.32	270.89
26 28 16 00-0136 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,361.03	444.98
26 28 16 00-0137 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,938.22	622.93
26 28 16 00-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0140	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	288.79	104.02
26 28 16 00-0141	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	378.06	119.59
26 28 16 00-0142	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	827.32	191.11
26 28 16 00-0143	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,743.53	318.09
26 28 16 00-0144	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,978.90	433.46
26 28 16 00-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	272.52	97.32
26 28 16 00-0147	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	374.09	135.40
26 28 16 00-0148	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	552.12	155.78
26 28 16 00-0149	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	943.97	249.23
26 28 16 00-0150	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,938.67	415.41
26 28 16 00-0151	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,245.69	566.19
26 28 16 00-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153		Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	427.13	101.02
26 28 16 00-0156	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	666.19	121.22
26 28 16 00-0157	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	829.09	140.99
26 28 16 00-0158	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,216.47	214.92
26 28 16 00-0159	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,643.88	343.88
26 28 16 00-0160	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,585.24	458.65
26 28 16 00-0161	EA	800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,816.87	515.81
26 28 16 00-0162	EA	1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,005.46	601.79
26 28 16 00-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0164	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	721.91	134.63
26 28 16 00-0165	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	861.23	165.07
26 28 16 00-0166	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,207.33	189.56
26 28 16 00-0167	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,706.85	284.30
26 28 16 00-0168	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,662.74	465.18
26 28 16 00-0169	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,663.06	639.70
26 28 16 00-0170	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,727.75	736.59
26 28 16 00-0171	EA	1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,722.07	829.18
26 28 16 00-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		



Electrical			26
Low-Voltage Electrical Distribution			26 20
Low-Voltage Circuit Protective Devices			26 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	555.08	159.04
26 28 16 00-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	866.95	210.62
26 28 16 00-0175 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,037.20	231.26
26 28 16 00-0176 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,543.17	358.06
26 28 16 00-0177 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,277.46	597.06
26 28 16 00-0178 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,399.92	796.08
26 28 16 00-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
<small>28 16 00-0153)</small>		
26 28 16 00-0180 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	831.05	188.53
26 28 16 00-0181 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	993.62	231.09
26 28 16 00-0182 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,315.47	265.30
26 28 16 00-0183 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,915.17	398.04
26 28 16 00-0184 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,970.22	651.31
26 28 16 00-0185 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,077.03	895.54
26 28 16 00-0186 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,938.69	1,031.64
26 28 16 00-0187 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,872.16	1,160.58
26 28 16 00-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
<small>28 16 00-0153)</small>		
26 28 16 00-0189 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	604.18	159.04
26 28 16 00-0190 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	868.37	210.62
26 28 16 00-0191 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,106.23	231.26
26 28 16 00-0192 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,589.21	358.06
26 28 16 00-0193 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,319.69	597.06
26 28 16 00-0194 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,864.47	796.08
26 28 16 00-0195 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,645.09	902.68
26 28 16 00-0196 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,991.43	1,031.64
26 28 16 00-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
<small>28 16 00-0153)</small>		
26 28 16 00-0198 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	859.21	188.71
26 28 16 00-0199 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,025.29	231.26
26 28 16 00-0200 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,385.86	265.21
26 28 16 00-0201 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,960.92	398.04
26 28 16 00-0202 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,135.62	651.21
26 28 16 00-0203 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,267.07	895.37
26 28 16 00-0204 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,537.11	1,031.64
26 28 16 00-0205 EA 1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,660.96	1,160.58
26 28 16 00-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0152)		
26 28 16 00-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0206)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0208 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	403.01	88.46
26 28 16 00-0209 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	650.77	122.50
26 28 16 00-0210 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	848.84	140.47
26 28 16 00-0211 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,142.81	227.47
26 28 16 00-0212 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,502.35	379.47
26 28 16 00-0213 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,501.70	505.93
26 28 16 00-0214 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,172.41	602.04
26 28 16 00-0215 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,433.18	688.01
26 28 16 00-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0217 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	453.05	97.49
26 28 16 00-0218 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	736.72	136.43
26 28 16 00-0219 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	956.97	154.05
26 28 16 00-0220 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,263.85	238.83
26 28 16 00-0221 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,829.14	398.04
26 28 16 00-0222 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,855.18	530.68
26 28 16 00-0223 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,645.39	630.67
26 28 16 00-0224 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,051.00	716.39
26 28 16 00-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0226 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	491.46	132.65
26 28 16 00-0227 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	773.23	183.72
26 28 16 00-0228 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	989.31	210.71
26 28 16 00-0229 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,370.24	341.22
26 28 16 00-0230 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,917.16	569.12
26 28 16 00-0231 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,076.88	758.68
26 28 16 00-0232 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,851.76	902.68
26 28 16 00-0233 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,341.30	1,031.64
26 28 16 00-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	534.69	146.15
26 28 16 00-0236 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	844.20	204.69
26 28 16 00-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,070.65	231.09
26 28 16 00-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,453.51	358.23
26 28 16 00-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,099.87	596.97
26 28 16 00-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,405.30	795.99
26 28 16 00-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,369.45	945.66
26 28 16 00-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,017.16	1,074.62
26 28 16 00-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	310.73	146.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	873.17	204.69
26 28 16 00-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,111.04	231.09
26 28 16 00-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,502.66	358.23
26 28 16 00-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,227.14	596.97
26 28 16 00-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,385.85	795.99
26 28 16 00-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,358.55	945.66
26 28 16 00-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,002.33	1,074.62
26 28 16 00-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	269.91	87.86
26 28 16 00-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	374.66	105.40
26 28 16 00-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	487.51	122.59
26 28 16 00-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	978.34	186.89
26 28 16 00-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,340.87	299.01
26 28 16 00-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,105.61	398.90
26 28 16 00-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	371.48	138.50
26 28 16 00-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	530.52	183.21
26 28 16 00-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	643.95	200.99
26 28 16 00-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,228.13	311.47
26 28 16 00-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,782.30	519.08
26 28 16 00-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,698.36	692.39
26 28 16 00-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	412.04	138.41
26 28 16 00-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	571.28	183.21
26 28 16 00-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	775.00	200.99
26 28 16 00-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,312.74	311.47
26 28 16 00-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,836.66	519.17
26 28 16 00-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,122.33	692.39
26 28 16 00-0274 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,252.19	784.38
26 28 16 00-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	242.77	76.95
26 28 16 00-0278 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	390.90	106.52

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0279	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	414.27	122.16
26 28 16 00-0280	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,000.42	197.73
26 28 16 00-0281	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,403.11	329.95
26 28 16 00-0282	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,189.53	439.91
26 28 16 00-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0284	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	378.32	115.37
26 28 16 00-0285	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	542.51	159.73
26 28 16 00-0286	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	777.56	183.21
26 28 16 00-0287	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,330.71	296.68
26 28 16 00-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
		Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0291	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,074.07	85.97
26 28 16 00-0292	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,290.33	103.59
26 28 16 00-0293	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,602.70	121.04
26 28 16 00-0294	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,607.61	191.02
26 28 16 00-0295	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,303.92	296.42
26 28 16 00-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	10,502.83	438.28
26 28 16 00-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,358.54	95.52
26 28 16 00-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,513.67	115.03
26 28 16 00-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,815.22	134.46
26 28 16 00-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,986.07	212.35
26 28 16 00-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,592.35	329.61
26 28 16 00-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	10,891.05	486.93
26 28 16 00-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,219.66	135.14
26 28 16 00-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,531.89	179.08
26 28 16 00-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,875.38	199.02
26 28 16 00-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,096.85	311.47
26 28 16 00-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,956.53	511.69
26 28 16 00-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	11,350.04	716.39
26 28 16 00-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,469.64	149.24
26 28 16 00-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,685.57	199.02



	Electrical	26
	Low-Voltage Electrical Distribution	26 20
	Low-Voltage Circuit Protective Devices	26 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0314 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,001.93	223.86
26 28 16 00-0315 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,254.71	341.13
26 28 16 00-0316 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,224.50	551.06
26 28 16 00-0317 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,707.02	795.99
26 28 16 00-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,449.21	135.14
26 28 16 00-0320 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,818.86	179.08
26 28 16 00-0321 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,449.59	199.02
26 28 16 00-0322 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,882.06	311.47
26 28 16 00-0323 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,501.92	511.69
26 28 16 00-0324 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,473.78	716.39
26 28 16 00-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,740.89	149.24
26 28 16 00-0327 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,993.15	199.02
26 28 16 00-0328 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,588.05	223.86
26 28 16 00-0329 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,046.48	341.13
26 28 16 00-0330 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,790.74	551.06
26 28 16 00-0331 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,859.71	795.99
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0334 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,031.71	85.97
26 28 16 00-0335 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,260.80	119.59
26 28 16 00-0336 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,343.98	137.55
26 28 16 00-0337 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,261.86	219.73
26 28 16 00-0338 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,926.94	365.89
26 28 16 00-0339 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,480.23	498.46
26 28 16 00-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,172.32	94.82
26 28 16 00-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,435.65	134.11
26 28 16 00-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,670.09	152.85
26 28 16 00-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,703.24	238.83
26 28 16 00-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,723.45	393.05
26 28 16 00-0346 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,652.89	550.21
26 28 16 00-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0348	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,083.65	111.93
26 28 16 00-0349	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,316.80	155.78
26 28 16 00-0350	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,379.77	179.08
26 28 16 00-0351	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,641.99	286.54
26 28 16 00-0352	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,777.55	477.65
26 28 16 00-0353	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	9,032.36	651.31
26 28 16 00-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0355	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,229.63	123.54
26 28 16 00-0356	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,516.97	174.78
26 28 16 00-0357	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,762.42	199.02
26 28 16 00-0358	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,848.49	311.47
26 28 16 00-0359	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,647.05	511.69
26 28 16 00-0360	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	10,266.86	716.39
26 28 16 00-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0362	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,476.09	111.93
26 28 16 00-0363	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,777.10	155.78
26 28 16 00-0364	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,941.82	179.08
26 28 16 00-0365	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,017.68	286.54
26 28 16 00-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,678.13	123.54
26 28 16 00-0368	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,024.47	174.78
26 28 16 00-0369	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,493.58	199.02
26 28 16 00-0370	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,845.31	311.47
26 28 16 00-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,953.43	149.16
26 28 16 00-0374	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,236.31	199.02
26 28 16 00-0375	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,975.03	223.95
26 28 16 00-0376	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,190.61	341.30
26 28 16 00-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0378	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,823.83	123.37
26 28 16 00-0379	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,101.89	174.95
26 28 16 00-0380	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,753.52	199.02
26 28 16 00-0381	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,115.80	311.64



	Electrical	26
	Low-Voltage Electrical Distribution	26 20
	Low-Voltage Circuit Protective Devices	26 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,226.55	149.16
26 28 16 00-0385 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,541.92	199.02
26 28 16 00-0386 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,552.98	223.95
26 28 16 00-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,082.24	123.37
26 28 16 00-0389 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,391.25	174.95
26 28 16 00-0390 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,308.26	199.02
26 28 16 00-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0393 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,778.94	171.94
26 28 16 00-0394 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,844.43	204.69
26 28 16 00-0395 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,232.94	231.09
26 28 16 00-0396 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,694.30	358.23
26 28 16 00-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,405.43	204.69
26 28 16 00-0399 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,641.95	231.09
26 28 16 00-0400 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,996.37	358.23
26 28 16 00-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
Note: With fuses and neutral bar.		
26 28 16 00-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	410.20	85.97
26 28 16 00-0405 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	532.78	103.59
26 28 16 00-0406 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	720.25	121.22
26 28 16 00-0407 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,210.43	190.85
26 28 16 00-0408 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,546.11	296.59
26 28 16 00-0409 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,564.76	438.45
26 28 16 00-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	630.96	95.43
26 28 16 00-0412 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	656.07	115.20
26 28 16 00-0413 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	934.65	134.54
26 28 16 00-0414 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,462.94	212.35
26 28 16 00-0415 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,147.43	329.26
26 28 16 00-0416 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,171.08	487.02
26 28 16 00-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0418	EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....575.30	575.30	134.97
26 28 16 00-0419	EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....794.22	794.22	179.25
26 28 16 00-0420	EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,069.10	1,069.10	199.02
26 28 16 00-0421	EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,594.25	1,594.25	311.64
26 28 16 00-0422	EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....3,096.32	3,096.32	511.51
26 28 16 00-0423	EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....4,935.98	4,935.98	716.56
26 28 16 00-0424	600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0425	EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....756.02	756.02	149.16
26 28 16 00-0426	EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....866.08	866.08	199.02
26 28 16 00-0427	EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,253.68	1,253.68	223.95
26 28 16 00-0428	EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,829.59	1,829.59	341.30
26 28 16 00-0429	EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....3,780.37	3,780.37	551.06
26 28 16 00-0430	EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....7,032.89	7,032.89	796.08
26 28 16 00-0431	240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0432	EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....611.72	611.72	134.97
26 28 16 00-0433	EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....819.24	819.24	179.25
26 28 16 00-0434	EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,147.63	1,147.63	199.02
26 28 16 00-0435	EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,692.84	1,692.84	311.64
26 28 16 00-0436	EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....3,360.28	3,360.28	511.51
26 28 16 00-0437	EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....5,114.30	5,114.30	716.56
26 28 16 00-0438	600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0439	EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....798.24	798.24	149.16
26 28 16 00-0440	EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....978.70	978.70	199.02
26 28 16 00-0441	EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,331.11	1,331.11	223.95
26 28 16 00-0442	EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,977.40	1,977.40	341.30
26 28 16 00-0443	EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....4,019.68	4,019.68	551.06
26 28 16 00-0444	EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....7,229.96	7,229.96	796.08
26 28 16 00-0445	Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
26 28 16 00-0446	240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0447	EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....427.92	427.92	124.23
26 28 16 00-0448	EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....569.29	569.29	173.22
26 28 16 00-0449	EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....748.05	748.05	199.02
26 28 16 00-0450	EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....1,074.50	1,074.50	318.52
26 28 16 00-0451	EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....2,325.19	2,325.19	530.87
26 28 16 00-0452	EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....3,655.86	3,655.86	723.86



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0453	600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>	
26 28 16 00-0454 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	476.67	137.13
26 28 16 00-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	633.09	194.29
26 28 16 00-0456 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	833.58	220.94
26 28 16 00-0457 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,167.49	346.03
26 28 16 00-0458 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,463.85	568.69
26 28 16 00-0459 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,039.10	796.08
26 28 16 00-0460	240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>	
26 28 16 00-0461 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	551.49	111.76
26 28 16 00-0462 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	728.15	155.61
26 28 16 00-0463 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	960.94	179.25
26 28 16 00-0464 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,381.03	286.71
26 28 16 00-0465 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,870.79	477.56
26 28 16 00-0466 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,499.18	651.21
26 28 16 00-0467	600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>	
26 28 16 00-0468 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	544.08	123.37
26 28 16 00-0469 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	789.39	174.95
26 28 16 00-0470 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,031.49	199.02
26 28 16 00-0471 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,372.58	311.64
26 28 16 00-0472 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,892.21	511.51
26 28 16 00-0473 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,339.27	716.56
26 28 16 00-0474	240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>	
26 28 16 00-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	655.67	111.76
26 28 16 00-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	787.40	155.61
26 28 16 00-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,203.67	179.25
26 28 16 00-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,909.49	286.71
26 28 16 00-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,407.45	365.37
26 28 16 00-0480	600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>	
26 28 16 00-0481 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	683.44	123.37
26 28 16 00-0482 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	859.78	174.95
26 28 16 00-0483 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,288.40	199.02
26 28 16 00-0484 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,967.33	311.64
26 28 16 00-0485 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,653.19	481.43
26 28 16 00-0486	Double Throw Safety Switches <small>(26 28 16 00-0001)</small>	
26 28 16 00-0487	NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>	
26 28 16 00-0488	240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0489 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	515.78	110.47
26 28 16 00-0490 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	755.70	144.43
26 28 16 00-0491 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,055.43	188.71
26 28 16 00-0492 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,405.36	245.44
26 28 16 00-0493 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,297.61	306.91
26 28 16 00-0494 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,977.53	492.17
26 28 16 00-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0496 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	655.86	154.74
26 28 16 00-0497 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	910.91	202.03
26 28 16 00-0498 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,358.00	264.36
26 28 16 00-0499 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,979.59	343.88
26 28 16 00-0500 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,546.29	429.85
26 28 16 00-0501 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,373.13	687.75
26 28 16 00-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0503 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	867.45	193.43
26 28 16 00-0504 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,252.56	252.75
26 28 16 00-0505 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,184.12	330.12
26 28 16 00-0506 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,984.35	428.99
26 28 16 00-0507 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,907.24	537.31
26 28 16 00-0508 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,533.19	860.99
26 28 16 00-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0510 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	865.49	144.43
26 28 16 00-0511 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,292.08	188.71
26 28 16 00-0512 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,893.94	245.44
26 28 16 00-0513 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,377.67	306.91
26 28 16 00-0514 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,483.57	492.17
26 28 16 00-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0516 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	980.57	202.03
26 28 16 00-0517 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,442.96	264.36
26 28 16 00-0518 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,089.98	343.88
26 28 16 00-0519 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,623.34	429.85
26 28 16 00-0520 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,875.85	687.75
26 28 16 00-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0522 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,321.32	252.75
26 28 16 00-0523 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,283.38	330.12
26 28 16 00-0524 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,189.83	428.99
26 28 16 00-0525 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,344.82	537.31
26 28 16 00-0526 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,022.83	860.99
26 28 16 00-0527 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0528 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0529 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,304.27	188.71
26 28 16 00-0530 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,932.71	245.44
26 28 16 00-0531 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,450.32	306.91
26 28 16 00-0532 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,264.93	492.17
26 28 16 00-0533 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0534 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,714.83	263.93
26 28 16 00-0535 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,742.65	343.45
26 28 16 00-0536 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,779.25	429.85
26 28 16 00-0537 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,697.04	689.05
26 28 16 00-0538 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0539 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,633.76	193.52
26 28 16 00-0540 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,029.92	252.57
26 28 16 00-0541 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,838.68	330.03



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0542 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,090.41	429.16
26 28 16 00-0543 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,885.19	537.31
26 28 16 00-0544 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,104.77	861.07
26 28 16 00-0545 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0546 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,101.28	144.43
26 28 16 00-0547 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,666.48	188.71
26 28 16 00-0548 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,003.06	245.44
26 28 16 00-0549 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,726.72	306.91
26 28 16 00-0550 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,678.88	492.17
26 28 16 00-0551 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0552 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,259.68	202.03
26 28 16 00-0553 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,885.37	263.93
26 28 16 00-0554 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,331.29	343.45
26 28 16 00-0555 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,241.50	429.85
26 28 16 00-0556 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,423.05	689.05
26 28 16 00-0557 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0527)</small>		
26 28 16 00-0558 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,045.84	252.57
26 28 16 00-0559 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,845.98	330.03
26 28 16 00-0560 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,191.75	429.16
26 28 16 00-0561 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,873.22	537.31
26 28 16 00-0562 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,170.72	861.07
26 28 16 00-0563 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0564 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0565 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,293.57	110.56
26 28 16 00-0566 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,471.22	144.34
26 28 16 00-0567 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,672.64	188.62
26 28 16 00-0568 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,295.09	245.27
26 28 16 00-0569 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,240.92	306.99
26 28 16 00-0570 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,232.71	492.00
26 28 16 00-0571 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0572 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,495.20	154.74
26 28 16 00-0573 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,774.45	202.03
26 28 16 00-0574 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,113.38	263.93
26 28 16 00-0575 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,938.78	343.45
26 28 16 00-0576 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,295.09	429.85
26 28 16 00-0577 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,034.77	689.05
26 28 16 00-0578 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0579 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,221.99	193.52
26 28 16 00-0580 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,607.91	252.57
26 28 16 00-0581 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,570.45	330.03
26 28 16 00-0582 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,844.66	429.16
26 28 16 00-0583 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,887.51	537.31
26 28 16 00-0584 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,102.71	861.07
26 28 16 00-0585 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0586 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,926.53	144.34
26 28 16 00-0587 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,037.37	188.62
26 28 16 00-0588 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,827.65	245.27
26 28 16 00-0589 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,508.86	306.99
26 28 16 00-0590 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,422.20	492.00
26 28 16 00-0591 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0563)</small>		
26 28 16 00-0592 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,128.19	202.03
26 28 16 00-0593 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,275.72	263.93
26 28 16 00-0594 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,199.15	343.45

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0595 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,011.97	429.85
26 28 16 00-0596 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,152.58	689.05
26 28 16 00-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0563)		
26 28 16 00-0598 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,633.85	252.57
26 28 16 00-0599 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,761.79	330.03
26 28 16 00-0600 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,957.44	429.16
26 28 16 00-0601 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,130.26	537.31
26 28 16 00-0602 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,424.47	861.07
26 28 16 00-0603 Removal And Reinstallation Of Disconnect Switches (26 28 16 00-0001) Note: Includes storage and cleaning.		
26 28 16 00-0604 EA Up To 100 Amp, Remove And Reinstall Safety Disconnect Switch.....	429.85	
26 28 16 00-0605 EA >100 To 200 Amp, Remove And Reinstall Safety Disconnect Switch.....	558.83	
26 28 16 00-0606 EA >200 To 300 Amp, Remove And Reinstall Safety Disconnect Switch.....	623.32	
26 28 16 00-0607 EA >300 To 400 Amp, Remove And Reinstall Safety Disconnect Switch.....	730.79	
26 28 16 00-0608 Bolted Contact Switches (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0609 Electrical Trip, Bolted Contact Switches (26 28 16 00-0609)		
26 28 16 00-0610 Top Feed, Electrical Trip, Bolted Contact Switches (26 28 16 00-0609)		
26 28 16 00-0611 EA 800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	5,550.93	859.69
26 28 16 00-0612 EA 1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	6,059.19	1,031.64
26 28 16 00-0613 EA 1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	6,633.85	1,203.57
26 28 16 00-0614 EA 2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	7,056.78	1,375.51
26 28 16 00-0615 EA 2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	7,966.52	1,547.45
26 28 16 00-0616 EA 3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	9,881.59	1,719.39
26 28 16 00-0617 EA 4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	13,193.25	2,063.26
26 28 16 00-0618 Bottom Feed, Electrical Trip, Bolted Contact Switches (26 28 16 00-0609)		
26 28 16 00-0619 EA 800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	5,857.58	859.69
26 28 16 00-0620 EA 1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	6,425.91	1,031.64
26 28 16 00-0621 EA 1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	6,997.41	1,203.57
26 28 16 00-0622 EA 2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	7,578.40	1,375.51
26 28 16 00-0623 EA 2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	8,529.24	1,547.45
26 28 16 00-0624 EA 3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	10,937.48	1,719.39
26 28 16 00-0625 EA 4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	14,293.40	2,063.26
26 28 16 00-0626 Manually Operated, Bolted Contact Switches (26 28 16 00-0608)		
26 28 16 00-0627 Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0626)		
26 28 16 00-0628 EA 800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	4,172.59	859.69
26 28 16 00-0629 EA 1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	4,697.29	1,031.64
26 28 16 00-0630 EA 1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	5,247.92	1,203.57
26 28 16 00-0631 EA 2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	5,794.77	1,375.51
26 28 16 00-0632 EA 2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	6,373.21	1,547.45
26 28 16 00-0633 EA 3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	8,288.28	1,719.39
26 28 16 00-0634 EA 4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	11,562.00	2,063.26
26 28 16 00-0635 Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 00-0626)		
26 28 16 00-0636 EA 800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	4,375.55	859.69
26 28 16 00-0637 EA 1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	5,003.94	1,031.64
26 28 16 00-0638 EA 1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	5,545.09	1,203.57
26 28 16 00-0639 EA 2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	6,187.41	1,375.51
26 28 16 00-0640 EA 2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	6,866.38	1,547.45
26 28 16 00-0641 EA 3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	9,265.13	1,719.39
26 28 16 00-0642 EA 4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	12,586.28	2,063.26

26 29 Low-Voltage Controllers (26 20)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	147.38	43.05
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	192.89	55.97
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	164.48	43.05
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	209.99	55.97
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
<i>For Oversized Enclosure, Add</i>	17.10	
<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	154.79	43.05
<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	202.58	55.97
<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	297.99	51.66
<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	345.20	64.58
<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	315.09	51.66
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	360.59	64.58
26 29 13 13-0013 Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	122.40	43.05
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	193.89	55.97
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	137.61	47.36
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	209.65	60.28
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	138.35	43.05
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	210.39	55.97
Note: NEMA 1 or flush cover plate installation.		
<i>For Oversize Enclosure, Add</i>	8.25	
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	276.03	51.66
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	341.46	64.58
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	291.79	55.97
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	355.57	68.89
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	291.43	51.66
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	361.26	64.58

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0026	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	88.88	30.13
			For Pilot Light, Add	39.60	
26 29 13 13-0027	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	160.35	43.05
			For Pilot Light, Add	39.60	
26 29 13 13-0028	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	104.09	34.44
			For Pilot Light, Add	39.60	
26 29 13 13-0029	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	175.56	47.36
			For Pilot Light, Add	39.60	
26 29 13 13-0030 Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>					
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	312.84	77.50
			For Pilot Light, Add	63.80	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	449.20	103.33
			For Pilot Light, Add	63.80	
26 29 13 13-0033 Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>					
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	312.84	77.50
26 29 13 13-0035	EA		NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	449.20	103.33
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters <small>(26 29 13 13-0001)</small>					
26 29 13 13-0037	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	278.33	51.66
26 29 13 13-0038	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	278.33	51.66
26 29 13 13-0039	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	555.47	60.28
26 29 13 13-0040	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	555.47	60.28
26 29 13 13-0041	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	717.35	60.28
26 29 13 13-0042	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	351.98	60.28
26 29 13 13-0043	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	235.40	38.75
26 29 13 13-0044	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	327.98	55.97
26 29 13 13-0045	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	327.98	55.97
26 29 13 13-0046	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	661.55	64.58
26 29 13 13-0047	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	661.55	64.58
26 29 13 13-0048	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	835.97	64.58
26 29 13 13-0049	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	401.63	64.58
26 29 13 13-0050	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	285.04	43.05
26 29 13 13-0051	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	424.94	60.28
26 29 13 13-0052	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	424.94	60.28
26 29 13 13-0053	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	783.02	68.89
26 29 13 13-0054	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	783.02	68.89
26 29 13 13-0055	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	950.03	68.89
26 29 13 13-0056	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	500.30	68.89
26 29 13 13-0057	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	383.71	47.36
26 29 13 13-0058	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	344.92	64.58
26 29 13 13-0059	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	344.92	64.58
26 29 13 13-0060	EA		NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	622.06	73.19
26 29 13 13-0061	EA		NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	622.06	73.19
26 29 13 13-0062	EA		NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	788.50	73.19



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	419.14	73.19
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	303.70	51.66
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	394.57	68.89
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	394.57	68.89
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	728.14	77.50
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	728.14	77.50
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	906.55	77.50
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	468.22	77.50
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	351.64	55.97
26 29 13 13-0072		Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	778.49	90.41
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	778.49	90.41
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	678.37	64.58
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	917.11	99.02
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	817.00	73.19
26 29 13 13-0078		Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	778.49	90.41
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	678.37	64.58
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	917.11	99.02
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	817.00	73.19
26 29 13 13-0083		Magnetic Contactors/Starters (26 29 13 13)		
26 29 13 13-0084		Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085		Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11)	335.81	86.10
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12)	376.96	94.71
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5)	359.75	86.10
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1)	401.47	94.71
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2)	442.63	103.33
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3)	558.71	129.16
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4)	699.86	154.99
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	416.86	94.71
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	458.02	103.33
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	500.33	111.94
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	642.80	150.68
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	783.38	176.52
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	678.04	103.33
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	761.06	129.16
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	993.66	172.22
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,005.02	129.16
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,156.68	172.22

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 29 Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	1,469.64	215.27
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	2,075.59	258.32
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	2,232.87	215.27
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	2,465.47	258.32
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	3,314.24	301.37
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	4,422.28	258.32
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	4,935.92	344.43
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	12,626.51	516.64
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	18,095.88	774.96
26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	353.48	86.10
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	394.63	94.71
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	377.42	86.10
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	419.71	94.71
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	460.87	103.33
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	578.09	129.16
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	719.81	154.99
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	435.67	94.71
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	477.97	103.33
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	519.14	111.94
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	662.18	150.68
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	802.19	176.52
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	762.40	103.33
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	845.99	129.16
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,078.02	172.22
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,170.89	129.16
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	1,321.98	172.22
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	1,635.51	215.27
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	2,576.58	215.27
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	2,809.18	258.32
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	5,562.35	344.43
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	15,381.32	516.64
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJJ2)	20,858.67	774.96
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	517.18	94.71
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	558.34	103.33
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	616.61	111.94
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	940.24	103.33
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,024.40	129.16
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,381.79	129.16
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,532.31	172.22



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	3,507.43	258.32
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	7,349.30	344.43
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	17,572.40	516.64
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	745.30	103.33
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	770.38	103.33
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	811.55	111.94
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	954.59	150.68
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	1,430.81	129.16
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,149.62	172.22
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	4,222.21	258.32
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	7,349.30	344.43
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	19,439.72	516.64
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,455.44	137.77
26 29 13 13-0159 Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	392.24	86.10
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	409.45	94.71
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	437.38	94.71
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	483.10	103.33
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	771.11	154.99
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	495.64	103.33
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	577.28	111.94
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	601.22	111.94
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	729.91	103.33
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	834.59	129.16
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,278.09	172.22
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,652.43	258.32
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	5,905.49	344.43
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	13,434.20	516.64
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	19,368.12	774.96
26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	411.05	86.10
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	428.26	94.71
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	456.19	94.71
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	501.91	103.33
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	513.88	103.33
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	560.18	111.94

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	620.60	111.94
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	814.84	103.33
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	919.52	129.16
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,443.96	172.22
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	2,996.14	258.32
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	6,533.63	344.43
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	553.66	94.71
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	599.38	103.33
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	611.35	103.33
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	657.65	111.94
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	718.07	111.94
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	993.25	103.33
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,097.36	129.16
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	1,654.29	172.22
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	3,693.82	258.32
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	8,318.87	344.43
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	19,687.67	516.64
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	553.66	94.71
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	599.38	103.33
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	611.35	103.33
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	657.65	111.94
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	718.07	111.94
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	993.25	103.33
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,097.36	129.16
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	1,654.29	172.22
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	3,693.82	258.32
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	1,518.27	146.38
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	1,850.01	146.38
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	1,908.26	154.99
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	2,924.82	172.22
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	3,530.76	215.27
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	5,606.21	301.37
26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	740.05	94.71
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	786.34	103.33



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	806.29	103.33
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	852.59	111.94
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	913.01	111.94
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	1,398.52	103.33
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	2,271.03	172.22
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	4,408.03	258.32
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	9,692.00	344.43
26 29 13 13-0228			NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	1,504.34	129.16
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	2,753.25	172.22
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	5,381.59	258.32
26 29 13 13-0232			NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	1,467.41	137.77
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	1,518.27	146.38
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	1,538.79	146.38
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	1,587.35	154.99
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	1,656.89	154.99
26 29 13 13-0238	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	2,409.54	172.22
26 29 13 13-0239			Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240			Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	715.79	111.94
26 29 13 13-0242	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	751.70	111.94
26 29 13 13-0243	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	830.48	120.55
26 29 13 13-0244	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	863.66	129.16
26 29 13 13-0245	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	883.61	129.16
26 29 13 13-0246	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	945.29	137.77
26 29 13 13-0247	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	988.22	150.68
26 29 13 13-0248	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SC07).....	1,008.74	150.68
26 29 13 13-0249	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	1,683.36	172.22
26 29 13 13-0250	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	2,740.78	258.32
26 29 13 13-0251	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	6,207.06	387.48
26 29 13 13-0252	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	11,469.41	516.64
26 29 13 13-0253	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	36,806.85	947.17
26 29 13 13-0254			NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	732.76	103.33
26 29 13 13-0256	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	767.09	111.94
26 29 13 13-0257	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	787.61	111.94
26 29 13 13-0258	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	864.68	120.55
26 29 13 13-0259	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	899.00	129.16

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	919.52	129.16
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	996.59	137.77
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,039.52	150.68
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,060.04	150.68
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	1,816.74	172.22
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	2,971.63	258.32
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	6,631.14	387.48
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,044.92	129.16
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,065.44	129.16
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,205.96	150.68
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	2,060.70	172.22
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,292.30	129.16
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	1,516.43	137.77
26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	96.93	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	161.28	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	96.93	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	161.28	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	161.28	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0281 EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	81.57	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	73.12	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	96.93	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	81.57	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	108.63	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0286 EA 30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	119.92	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0287 EA 45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	203.77	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0288 EA 60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	216.12	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0289 EA 30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	258.78	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0290 EA 45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	447.93	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0291 EA 60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	447.93	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	29.89	6.45
For Factory Installed Accessory, Deduct		
	-12.92	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	58.82	8.61
For Factory Installed Accessory, Deduct		
	-17.22	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	77.43	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	61.83	10.76
For Factory Installed Accessory, Deduct		
	-21.53	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	34.57	6.45
For Factory Installed Accessory, Deduct		
	-12.92	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	22.22	6.45
For Factory Installed Accessory, Deduct		
	-12.92	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	104.97	8.61
For Factory Installed Accessory, Deduct		
	-17.22	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0299	EA			2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)..... <i>For Factory Installed Accessory, Deduct</i>	179.48 -21.53	10.76
26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)						
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)						
26 29 13 13-0302	EA			Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) <i>For Factory Installed Accessory, Deduct</i>	375.94 -206.65	103.33
26 29 13 13-0303	EA			Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) <i>For Factory Installed Accessory, Deduct</i>	375.37 -206.65	103.33
26 29 13 13-0304	EA			Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) <i>For Factory Installed Accessory, Deduct</i>	406.28 -223.88	111.94
26 29 13 13-0305	EA			Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) <i>For Factory Installed Accessory, Deduct</i>	396.46 -206.65	103.33
26 29 13 13-0306	EA			Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) <i>For Factory Installed Accessory, Deduct</i>	430.79 -223.88	111.94
26 29 13 13-0307	EA			Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) <i>For Factory Installed Accessory, Deduct</i>	414.70 -206.65	103.33
26 29 13 13-0308	EA			Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) <i>For Factory Installed Accessory, Deduct</i>	485.75 -258.32	129.16
26 29 13 13-0309	EA			Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) <i>For Factory Installed Accessory, Deduct</i>	533.06 -258.32	129.16
26 29 13 13-0310	EA			Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) <i>For Factory Installed Accessory, Deduct</i>	665.03 -301.37	150.68
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)						
26 29 13 13-0312	EA			NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) <i>For Factory Installed Accessory, Deduct</i>	378.67 -189.43	94.71
26 29 13 13-0313	EA			NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) <i>For Factory Installed Accessory, Deduct</i>	409.57 -206.65	103.33
26 29 13 13-0314	EA			NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) <i>For Factory Installed Accessory, Deduct</i>	408.43 -206.65	103.33
26 29 13 13-0315	EA			NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) <i>For Factory Installed Accessory, Deduct</i>	441.05 -223.88	111.94
26 29 13 13-0316	EA			NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) <i>For Factory Installed Accessory, Deduct</i>	430.09 -206.65	103.33
26 29 13 13-0317	EA			NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) <i>For Factory Installed Accessory, Deduct</i>	464.99 -223.88	111.94
26 29 13 13-0318	EA			NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) <i>For Factory Installed Accessory, Deduct</i>	449.47 -206.65	103.33
26 29 13 13-0319	EA			NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) <i>For Factory Installed Accessory, Deduct</i>	519.95 -258.32	129.16
26 29 13 13-0320	EA			NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) <i>For Factory Installed Accessory, Deduct</i>	565.55 -258.32	129.16
26 29 13 13-0321	EA			NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	698.09 -301.37	150.68
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)						
26 29 13 13-0323	EA			Start-Stop Push Button Kit, Definite Purpose Starter Accessory <i>Note: Or Hand-Off-Auto Selector Switch Kit</i> <i>For Factory Installed Accessory, Deduct</i>	108.63 -21.53	10.76
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)						
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)						
26 29 13 13-0326	EA			3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	118.59	43.05
26 29 13 13-0327	EA			3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	137.46	47.36

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	137.46	47.36
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	152.35	51.66
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	128.85	43.05
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	134.55	43.05
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	147.15	47.36
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	152.85	47.36
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	150.57	47.36
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	152.85	47.36
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	163.75	51.66
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	156.27	47.36
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	169.45	51.66
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	157.41	47.36
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	157.41	47.36
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	175.15	51.66
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	175.15	51.66
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	160.20	43.05
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	171.60	43.05
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	189.90	47.36
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	189.90	47.36
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	201.30	47.36
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	212.20	51.66
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	212.20	51.66
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	181.29	43.05
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	192.69	43.05
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	209.85	47.36
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	221.25	47.36
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	235.57	51.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	246.97	51.66
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	203.58	47.36
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	230.37	47.36
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	259.51	51.66
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	52.00	21.53
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	56.40	21.53
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	64.37	21.53
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	80.22	21.53
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)		
26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,795.54 619.09	412.65
For NEMA 4, Add		
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,148.63 1,130.81	550.21
For NEMA 4, Add		
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,813.73 2,063.90	653.37
For NEMA 4, Add		
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,561.58 5,246.20	799.51
For NEMA 4, Add		
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,537.15 8,436.28	1,023.04
For NEMA 4, Add		
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,754.29	421.42
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,073.28	551.06
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,676.20	651.31
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,212.00	795.99
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	68,974.99	1,023.47
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	273.82	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	148.78	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	349.12	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,854.73	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,392.08	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	7,215.29	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0398	EA		Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	311.49	
26 29 13 13-0399	EA		Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	311.49	
26 29 13 13-0400			Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401			240-600 Volts, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402			NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,086.42	197.73
			<i>For Electronic Overloads, Add</i>	130.80	
26 29 13 13-0404	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,349.19	309.49
			<i>For Electronic Overloads, Add</i>	137.98	
26 29 13 13-0405	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,866.29	361.07
			<i>For Electronic Overloads, Add</i>	218.48	
26 29 13 13-0406	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,809.43	447.04
			<i>For Electronic Overloads, Add</i>	363.64	
26 29 13 13-0407	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,124.50	713.55
			<i>For Electronic Overloads, Add</i>	701.42	
26 29 13 13-0408	EA		Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,079.64	894.08
			<i>For Electronic Overloads, Add</i>	1,574.84	
26 29 13 13-0409			NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,358.75	197.73
			<i>For Electronic Overloads, Add</i>	182.54	
26 29 13 13-0411	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,621.53	309.49
			<i>For Electronic Overloads, Add</i>	189.73	
26 29 13 13-0412	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,131.06	361.07
			<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0413	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,953.17	447.04
			<i>For Electronic Overloads, Add</i>	390.96	
26 29 13 13-0414	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,949.07	713.55
			<i>For Electronic Overloads, Add</i>	858.09	
26 29 13 13-0415	EA		Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	12,265.90	894.08
			<i>For Electronic Overloads, Add</i>	1,990.23	
26 29 13 13-0416			Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417	EA		Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	124.02	
26 29 13 13-0418	EA		H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0419	EA		Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0420			NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,945.31	257.91
			<i>For Electronic Overloads, Add</i>	268.78	
26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,168.88	361.07
			<i>For Electronic Overloads, Add</i>	275.97	
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,065.49	395.46
			<i>For Electronic Overloads, Add</i>	431.20	
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,820.88	481.43
			<i>For Electronic Overloads, Add</i>	734.48	
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,620.92	713.55
			<i>For Electronic Overloads, Add</i>	1,175.74	
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	16,449.30	894.08
			<i>For Electronic Overloads, Add</i>	2,785.07	
26 29 13 13-0427			NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,217.65	257.91
			<i>For Electronic Overloads, Add</i>	320.53	
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,441.22	361.07
			<i>For Electronic Overloads, Add</i>	327.71	
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,330.27	395.46
			<i>For Electronic Overloads, Add</i>	481.51	
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,964.61	481.43
			<i>For Electronic Overloads, Add</i>	761.79	
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,445.49	713.55
			<i>For Electronic Overloads, Add</i>	1,332.41	
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	15,594.46	894.08
			<i>For Electronic Overloads, Add</i>	2,622.65	
26 29 13 13-0434			Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	124.04	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	201.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,120.84 <i>137.34</i>	199.02
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,385.50 <i>144.88</i>	311.47
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,923.78 <i>229.40</i>	358.23
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,905.13 <i>381.83</i>	447.73
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,309.08 <i>736.49</i>	716.47
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	10,494.06 <i>1,653.58</i>	895.46
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,446.03 <i>199.12</i>	199.02
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,712.24 <i>206.96</i>	311.47
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,259.56 <i>293.20</i>	358.23
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,140.08 <i>426.47</i>	447.73
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	6,359.32 <i>936.04</i>	716.47
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	13,217.42 <i>2,171.02</i>	895.46
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	123.00	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	199.37	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,509.25	412.65
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,396.76	550.21
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,742.90	756.53
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,532.42	1,031.64
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,301.82	1,444.29
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	737.56	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,351.03	257.91
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,591.71	361.07
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,259.12	395.46
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,379.67	481.43
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,510.63	713.55
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,494.72	257.91
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,745.10	361.07
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,438.68	395.46
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,132.46	481.43
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,996.32	713.55
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,434.59	265.39
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,680.87	358.23
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,408.14	398.04
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,626.61	477.65
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	7,027.84	716.47
26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,592.92	265.39

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,849.88	358.23
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,605.99	398.04
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,354.23	477.65
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,562.99	716.47
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,057.86	550.21
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,314.20	687.75
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,737.15	894.08
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,461.74	1,169.18
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,456.95	1,581.83
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,054.80	154.74
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,255.87	154.74
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13) Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Remove And Reinstall Motor Starter With Disconnect Up To 25 HP.....	614.06	
26 29 13 13-0504 Auxiliary Devices (26 29 13 13)		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open.....	328.49	85.97
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	328.49	85.97
26 29 13 13-0507 EA Pilot Light Kit.....	344.28	85.97
26 29 23 Variable-Frequency Motor Controllers (26 29)		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives (26 29 23) Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive.....	1,410.47	173.59
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive.....	1,581.47	173.59
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive.....	1,837.47	173.59
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive.....	2,005.47	173.59
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive.....	2,113.47	173.59
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive.....	2,179.08	173.59
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive.....	2,429.79	260.89
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive.....	2,956.23	260.89
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive.....	3,580.85	347.07
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive.....	4,141.69	347.07
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive.....	5,153.48	434.39
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive.....	6,422.07	434.39
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive.....	7,838.03	510.04
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive.....	8,813.04	609.81
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive.....	9,984.04	609.81
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive.....	11,773.04	609.81
26 29 23 00-0018 460/480 Volt Variable Frequency Drives (26 29 23) Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	1,906.80	152.40
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	2,046.47	173.59
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	2,176.79	260.89
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	2,414.16	260.90
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	3,049.85	347.07
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	3,564.95	347.09
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	4,475.48	434.40
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	5,108.07	434.39
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	6,129.03	510.04
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	7,256.04	609.81
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	8,428.97	652.00
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	9,540.89	694.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,402.49	736.17
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,523.96	777.53
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,560.94	868.73
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	20,921.09	952.47
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,923.27	1,036.68
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	31,702.30	1,214.87
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	36,817.70	1,376.15
26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,102.91	1,555.06
26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,525.83	1,747.22

26 30 Facility Electrical Power Generating And Storing Equipment

(26)

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001

Photovoltaic Collectors (26 31)

Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002

Rigid Photovoltaic Modules (26 31)

26 31 00 00-0003

Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0004	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,078.75	81.67
			<i>For >50, Deduct</i>	-91.54	
26 31 00 00-0005	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,196.11	81.67
			<i>For >50, Deduct</i>	-103.28	
26 31 00 00-0006	EA		215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,122.17	81.67
			<i>For >50, Deduct</i>	-95.88	

26 31 00 00-0007

Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)

26 31 00 00-0008	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	903.88	81.67
			<i>For >50, Deduct</i>	-74.05	
26 31 00 00-0009	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,022.42	81.67
			<i>For >50, Deduct</i>	-85.91	
26 31 00 00-0010	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,041.19	81.67
			<i>For >50, Deduct</i>	-87.79	
26 31 00 00-0011	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	982.51	81.67
			<i>For >50, Deduct</i>	-81.92	

26 31 00 00-0012

BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013	EA		50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	467.24	81.67
			<i>For >50, Deduct</i>	-30.39	
26 31 00 00-0014	EA		75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	567.00	81.67
			<i>For >50, Deduct</i>	-40.37	
26 31 00 00-0015	EA		80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	606.90	81.67
			<i>For >50, Deduct</i>	-44.36	

26 31 00 00-0016

Photovoltaic Inverters (26 31)

26 31 00 00-0017

Fronius Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0018	EA		3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	2,959.24	85.97
26 31 00 00-0019	EA		5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	4,724.33	85.97
26 31 00 00-0020	EA		6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,865.17	85.97
26 31 00 00-0021	EA		7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	5,909.67	85.97
26 31 00 00-0022	EA		10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	6,509.63	85.97
26 31 00 00-0023	EA		12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	7,559.75	85.97
26 31 00 00-0024	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	8,581.38	171.94
26 31 00 00-0025	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	8,698.74	171.94
26 31 00 00-0026	EA		Inverter Display Stand (Fronius 4,045,894).....	252.27	42.98

26 31 00 00-0027

SMA Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0028	EA		4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	1,972.75	85.97
26 31 00 00-0029	EA		5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	2,358.74	85.97
26 31 00 00-0030	EA		6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	2,718.46	85.97
26 31 00 00-0031	EA		7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	2,993.08	85.97

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	2,900.58	85.97
26 31 00 00-0033 PVPowered Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0034 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,454.74	85.97
26 31 00 00-0035 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,565.27	85.97
26 31 00 00-0036 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	2,829.60	85.97
26 31 00 00-0037 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,357.97	107.46
26 31 00 00-0038 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,093.01	128.96
26 31 00 00-0039 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,126.66	128.96
26 31 00 00-0040 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,350.61	128.96
26 31 00 00-0041 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	54,469.17	687.75
26 31 00 00-0042 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	48,671.59	687.75
26 31 00 00-0043 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	60,935.71	687.75
26 31 00 00-0044 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	54,881.11	687.75
26 31 00 00-0045 Solectria Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0046 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	8,128.33	171.94
26 31 00 00-0047 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	8,128.33	171.94
26 31 00 00-0048 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	8,363.43	171.94
26 31 00 00-0049 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	8,363.43	171.94
26 31 00 00-0050 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	25,456.01	515.81
26 31 00 00-0051 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	24,280.50	515.81
26 31 00 00-0052 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	27,807.02	515.81
26 31 00 00-0053 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	27,153.96	515.81
26 31 00 00-0054 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	29,504.97	515.81
26 31 00 00-0055 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	28,198.85	515.81
26 31 00 00-0056 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	31,154.95	687.75
26 31 00 00-0057 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	29,718.23	687.75
26 31 00 00-0058 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	32,330.46	687.75
26 31 00 00-0059 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	30,632.51	687.75
26 31 00 00-0060 Xantrex Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0061 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	347.24	21.50
26 31 00 00-0062 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210)	377.46	21.50
26 31 00 00-0063 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	599.55	21.50
26 31 00 00-0064 Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0065 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	214.70	32.24
Note: Hazardous locations.		
26 31 00 00-0066 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	148.98	32.24
26 31 00 00-0067 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	383.70	32.24
26 31 00 00-0068 Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0069 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0068)		
26 31 00 00-0070 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	256.44	85.97
26 31 00 00-0071 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	275.22	85.97
26 31 00 00-0072 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	433.95	128.96
26 31 00 00-0073 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	444.51	128.96
26 31 00 00-0074 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	651.07	128.96
26 31 00 00-0075 SMA Photovoltaic Combiner Boxes (26 31 00 00-0068)		
26 31 00 00-0076 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	581.53	85.97
26 31 00 00-0077 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	741.14	85.97
26 31 00 00-0078 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,535.08	171.94
26 31 00 00-0079 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	2,429.37	171.94
26 31 00 00-0080 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	835.02	85.97
26 31 00 00-0081 Photovoltaic Charge Controller (26 31)		
26 31 00 00-0082 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	174.80	32.24
26 31 00 00-0083 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	227.61	32.24
26 31 00 00-0084 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	262.82	32.24
26 31 00 00-0085 EA Remote Digital Meter For Xantrex C-35, 40 And 60	205.31	32.24
26 31 00 00-0086 EA MPPT Charge Controller (Xantrex XW SCC).....	675.06	42.98
26 31 00 00-0087 Photovoltaic Batteries (26 31)		
26 31 00 00-0088 Concorde Photovoltaic Batteries (26 31 00 00-0087)		
26 31 00 00-0089 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	152.46	12.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0090 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	192.70	17.20
26 31 00 00-0091 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	208.01	17.20
26 31 00 00-0092 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	241.57	25.80
26 31 00 00-0093 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	273.24	25.80
26 31 00 00-0094 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	324.06	30.08
26 31 00 00-0095 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	371.51	34.38
26 31 00 00-0096 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	367.49	34.38
26 31 00 00-0097 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	662.19	40.84
26 31 00 00-0098 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	763.60	42.98
26 31 00 00-0099 Dekap Photovoltaic Batteries (26 31 00 00-0087)		
26 31 00 00-0100 EA 31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1)	163.93	21.53
26 31 00 00-0101 EA 50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	221.44	21.53
26 31 00 00-0102 EA 74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24)	321.19	21.53
26 31 00 00-0103 EA 86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27)	365.79	21.53
26 31 00 00-0104 EA 98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31)	366.96	21.53
26 31 00 00-0105 EA 183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D)	700.27	21.53
26 31 00 00-0106 EA 225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D)	808.24	21.53
26 31 00 00-0107 Battery Enclosures (26 31 00 00-0087)		
26 31 00 00-0108 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	183.81	21.50
26 31 00 00-0109 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	856.35	21.53
26 31 00 00-0110 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	805.89	21.53
26 31 00 00-0111 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,069.95	21.53
26 31 00 00-0112 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	483.15	21.53
26 31 00 00-0113 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,120.41	21.53
26 31 00 00-0114 Photovoltaic System Monitoring (26 31)		
26 31 00 00-0115 EA Solar Inverter Monitor (Xantrex 864-0203)	386.65	42.98
26 31 00 00-0116 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	650.90	21.50
26 31 00 00-0117 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	626.26	21.50
26 31 00 00-0118 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	96.97	21.50
26 31 00 00-0119 EA Wind Sensor Accessory For Sunny SensorBox (SMA)	226.80	42.98
26 31 00 00-0120 EA Sunny Boy Control with RS485 (SMA)	863.33	21.50
26 31 00 00-0121 EA RS 485 Module (SMA)	183.81	21.50
26 31 00 00-0122 EA RS 232 Module (SMA)	183.81	21.50
26 31 00 00-0123 EA Wireless Monitor with Bluetooth (SMA Sunny Beam)	422.79	21.50
26 31 00 00-0124 EA Bluetooth Piggy-Back Computer Card (SMA)	237.80	21.50
26 31 00 00-0125 EA RS485-N Communication Computer Card (SMA)	168.56	21.50
26 31 00 00-0126 EA Bluetooth Repeater (SMA)	661.47	21.50
26 31 00 00-0127 EA Sunny Boy PC Service Cable (SMA)	227.67	6.44
26 31 00 00-0128 EA Integrated Revenue Grade Meter, Option (PVPowered)	3,010.28	21.50
26 31 00 00-0129 EA Data Monitoring Module (PVPowered PVM1010)	322.30	21.50
26 31 00 00-0130 EA Wireless IG Personal Display (Fronius 4,240,108)	396.97	21.50
26 31 00 00-0131 EA DatCom Power Supply (Fronius 43,0001,2311)	109.99	21.50
26 31 00 00-0132 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	196.72	21.50
26 31 00 00-0133 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	192.03	21.50
26 31 00 00-0134 EA Datalogger Pro Box (Fronius 4,240,102)	814.04	21.50
26 31 00 00-0135 EA Datalogger Easy Box (Fronius 4,240,103)	530.02	21.50
26 31 00 00-0136 EA Datalogger Interface Box (Fronius 4,240,105)	918.49	21.50
26 31 00 00-0137 EA Datalogger Web (Fronius 4,240,122)	1,454.82	21.50
26 31 00 00-0138 EA Interface Box (Fronius 4,240,109)	425.57	21.50
26 31 00 00-0139 EA Interface Card (Fronius 4,240,009,Z)	261.27	21.50
26 31 00 00-0140 EA Interface Card Easy (Fronius 4,240,013,Z)	236.62	21.50
26 31 00 00-0141 EA Sensor Box (Fronius 4,240,104)	814.04	21.50
26 31 00 00-0142 EA Ambient Temperature Sensor (Fronius 43,0001,1188)	98.14	21.50
26 31 00 00-0143 EA Irradiance Sensor (Fronius 43,0001,1188)	297.65	21.50
26 31 00 00-0144 EA Module Temperature Sensor (Fronius 43,0001,1190)	159.17	21.50
26 31 00 00-0145 EA Wind Speed Sensor (Fronius 42,0411,0027)	178.68	42.98
26 31 00 00-0146 Photovoltaic System Accessories (26 31)		
26 31 00 00-0147 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	521.65	42.98
26 31 00 00-0148 EA Line Communication Filter (Enphase LCF)	1,038.00	85.97
26 31 00 00-0149 EA 15 Meter RS 485 Communication Cable (SMA)	129.09	6.44
26 31 00 00-0150 EA 15 Meter RS 232 Communication Cable (SMA)	129.09	6.44
26 31 00 00-0151 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	21.70	2.12
26 31 00 00-0152 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.87	2.12
26 31 00 00-0153 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	24.04	2.12
26 31 00 00-0154 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	26.39	2.12
26 31 00 00-0155 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	29.91	2.12
26 31 00 00-0156 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	48.11	4.26
26 31 00 00-0157 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	64.54	4.26
26 31 00 00-0158 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	78.02	6.38
26 31 00 00-0159 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	26.98	2.12
26 31 00 00-0160 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	36.95	2.12
26 31 00 00-0161 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	55.15	4.26

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0162 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	72.75	4.26
26 31 00 00-0163 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	119.10	8.51
26 31 00 00-0164 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	181.89	8.51
26 31 00 00-0165 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery..... Note: Tamper proof enclosure.	2,116.24	232.12
26 31 00 00-0166 Photovoltaic Mounting Systems ^(26 31)		
26 31 00 00-0167 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	8.13	2.14
26 31 00 00-0168 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	25.38	10.74
26 31 00 00-0169 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	30.87	10.74
26 31 00 00-0170 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)..... Note: Supports mounting rail above tile or metal roof.	15.67	4.30
26 31 00 00-0171 EA Mounting Rail Grounding Clip (UNIRAC 980006)	7.98	3.23
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	15.93	4.30
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	4.33	1.43
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	4.50	1.43
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065)	11.66	4.30
26 31 00 00-0176 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	67.95	21.50
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	73.87	21.50
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	79.13	21.50
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	99.97	32.24
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	118.37	32.24
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	135.46	32.24
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	152.35	42.98
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	197.04	42.98
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	278.15	64.48
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	132.83	
Note: Excludes ballast.		
26 31 00 00-0186 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	244.16	
Note: Excludes ballast.		
26 31 00 00-0187 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	55.25	21.50
26 31 00 00-0188 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	55.80	21.50
26 31 00 00-0189 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	56.34	21.50
26 31 00 00-0190 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	57.66	21.50
26 31 00 00-0191 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	51.80	21.50
26 31 00 00-0192 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	52.45	21.50
26 31 00 00-0193 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	53.82	21.50
26 31 00 00-0194 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	54.59	21.50
26 31 00 00-0195 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	94.22	32.24
26 31 00 00-0196 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	94.55	32.24
26 31 00 00-0197 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	95.34	32.24
26 31 00 00-0198 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	100.63	32.24
26 31 00 00-0199 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	19.44	4.30
26 31 00 00-0200 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	13.21	4.30
26 31 00 00-0201 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	26.84	6.44
26 31 00 00-0202 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	28.15	6.44
26 31 00 00-0203 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	6.81	1.43
26 31 00 00-0204 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	29.90	4.30
26 31 00 00-0205 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	1.79	

26 32 Packaged Generator Assemblies ^(26 30)

26 32 13 Engine Generators ^(26 32)

26 32 13 13 Diesel-Engine-Driven Generator Sets ^(26 32 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0001 Diesel Generator Sets ^(26 32 13 13) Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0657 for loadbank rental, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	16,695.65	739.46
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	21,088.15	910.45
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	21,745.60	998.27
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	23,376.60	1,146.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	25,020.19	1,317.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	27,926.62	1,543.61
For Weather Resistant Steel Diesel Generator Enclosure, Add	3,112.28	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,765.06	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,924.41	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,326.22	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	32,603.48	1,793.18
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	33,822.06	2,125.93
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	37,287.52	2,343.15
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	43,189.13	2,615.82
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	46,193.31	2,865.39
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	51,756.80	3,027.14
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,720.67	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	14,929.93	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	10,167.15	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,297.35	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....	54,081.10	3,151.93
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA).....	58,934.95	3,322.92
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB).....	60,147.63	3,470.81
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG).....	68,357.43	3,882.13
For Weather Resistant Steel Diesel Generator Enclosure, Add	30,614.70	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	45,199.15	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	37,131.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,250.17	

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 32 Packaged Generator Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	73,943.80 30,614.70 45,199.15 37,131.03 55,250.17	4,251.86
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	83,902.27 30,614.70 45,199.15 37,131.03 55,250.17	4,579.99
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	88,579.25 30,614.70 45,199.15 37,131.03 55,250.17	4,880.40
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	128,983.96 62,540.21 100,417.38 73,559.48 116,984.73	5,374.91
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	147,637.21 62,540.21 100,417.38 73,559.48 116,984.73	5,911.01
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	154,136.61 62,540.21 100,417.38 73,559.48 116,984.73	6,040.41
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	187,818.80 62,540.21 100,417.38 73,559.48 116,984.73	6,511.82
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	209,335.09 62,540.21 100,417.38 73,559.48 116,984.73	6,932.39

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0657 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	13,295.96 2,830.67 9,765.06 3,065.82 5,086.49	619.29
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	15,029.19 2,830.67 9,765.06 3,065.82 5,086.49	739.46
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	16,084.86 2,830.67 9,765.06 3,065.82 5,086.49	822.64
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	17,519.14 2,830.67 9,765.06 8,671.98 14,555.41	910.45
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,044.13 2,830.67 9,765.06 8,671.98 14,555.41	998.27
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	18,613.65 2,830.67 9,765.06 8,671.98 14,555.41	1,076.83
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	20,235.93 2,830.67 9,765.06 8,671.98 14,555.41	1,317.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	21,529.18 2,830.67 9,765.06 8,671.98 14,555.41	1,474.28
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	25,799.25 5,159.06 14,929.93 10,167.15 14,555.41	1,575.96
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHL) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	28,001.73 5,159.06 14,929.93 10,167.15 14,555.41	1,774.69
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	35,106.95 5,159.06 14,929.93 10,167.15 14,555.41	2,125.93
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	39,997.43 5,159.06 14,929.93 10,167.15 14,555.41	2,343.15
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	96,858.36 27,531.46 40,635.25 30,102.27 45,171.56	6,232.58
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	103,196.72 27,531.46 40,635.25 30,102.27 45,171.56	2,814.54
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	104,485.21 27,531.46 40,635.25 30,102.27 45,171.56	3,151.93
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	143,725.97 27,531.46 40,635.25 30,102.27 45,171.56	3,470.81
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	145,161.77 27,531.46 40,635.25 30,102.27 45,171.56	3,882.13
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	204,131.71 60,116.00 85,163.74 68,281.37 96,505.26	4,579.99
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	277,864.52 60,116.00 85,163.74 68,281.37 96,505.26	4,880.40
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	292,389.67 60,116.00 85,163.74 68,281.37 96,505.26	5,143.83
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	333,146.81 60,116.00 85,163.74 68,281.37 96,505.26	5,374.91
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	348,352.20 60,116.00 85,163.74 68,281.37 96,505.26	5,578.26
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	368,451.79 60,116.00 85,163.74 68,281.37 96,505.26	5,961.85
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets <small>(26 32 13 19)</small>		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,264.60	397.51

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
 26 32 Packaged Generator Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 32	13	19-0027	EA 10 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,105.93	441.67
26 32	13	19-0028	EA 14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,694.45	467.38

26 32 13 26 AC To DC Electrical Conversion (26 32 13)

26 32	13	26-0001	60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32	13	26-0002	EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,014.19	171.94
26 32	13	26-0003	EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,088.48	171.94
26 32	13	26-0004	EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,037.04	171.94
26 32	13	26-0005	EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,099.57	171.94
26 32	13	26-0006	EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,003.26	214.92
26 32	13	26-0007	EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,741.40	214.92
26 32	13	26-0008	EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,195.31	214.92
26 32	13	26-0009	EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,427.85	283.70
26 32	13	26-0010	EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,796.29	283.70

26 32	13	26-0011	60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32	13	26-0012	EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,791.92	171.94
26 32	13	26-0013	EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,889.77	171.94
26 32	13	26-0014	EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,867.83	171.94
26 32	13	26-0015	EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,083.71	171.94
26 32	13	26-0016	EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,166.58	214.92
26 32	13	26-0017	EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,070.16	214.92
26 32	13	26-0018	EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,398.93	214.92
26 32	13	26-0019	EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,379.07	283.70
26 32	13	26-0020	EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,123.57	283.70

26 32 29 Rotary Converters (26 32)

26 32	29	00-0001	460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32	29	00-0002	EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	15,867.59	3,235.11
26 32	29	00-0003	EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	17,726.81	3,235.11
26 32	29	00-0004	EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	20,228.42	4,621.59
26 32	29	00-0005	EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	23,446.77	4,621.59
26 32	29	00-0006	EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	26,483.35	4,621.59
26 32	29	00-0007	EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	31,292.84	6,932.39
26 32	29	00-0008	EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	38,161.50	6,932.39

26 32	29	00-0009	4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)		
26 32	29	00-0010	EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	54,411.79	9,243.17
26 32	29	00-0011	EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	59,345.80	9,243.17
26 32	29	00-0012	EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	71,320.11	12,016.12
26 32	29	00-0013	EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	81,174.94	14,604.22
26 32	29	00-0014	EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	95,887.57	14,604.22
26 32	29	00-0015	EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	135,649.34	21,813.89
26 32	29	00-0016	EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	140,868.28	21,813.89
26 32	29	00-0017	EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	161,844.01	25,418.73

26 33 Battery Equipment (26 30)

26 33 13 Batteries (26 33)

26 33	13	00-0001	Standby Batteries (26 33 13)		
26 33	13	00-0002	EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	614.30	21.53
26 33	13	00-0003	EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	662.71	21.53
26 33	13	00-0004	EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	201.76	21.53
26 33	13	00-0005	EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	184.31	21.53
26 33	13	00-0006	EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery.....	308.77	21.53
26 33	13	00-0007	EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....	357.01	21.53

26 33 43 Battery Chargers (26 33)

26 33	43	00-0001	Solid State Chargers, Single Phase (26 33 43) Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33	43	00-0002	EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	1,960.78	491.22
26 33	43	00-0003	EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,268.30	491.22
26 33	43	00-0004	EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,493.49	491.22
26 33	43	00-0005	EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,648.57	581.60

26 33 53 Static Uninterruptible Power Supply (26 33)

26 33	53	00-0001	Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
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Electrical	26	26
Facility Electrical Power Generating And Storing Equipment	26 30	
Battery Equipment	26 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0002	Single Phase, Uninterruptible Power Supply Systems (UPS) ^(26 33 53 00-0001)	
26 33 53 00-0003	120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0004	EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	780.20 85.11
	Note: Includes 12 minutes of battery backup at full load.	
26 33 53 00-0005	EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	931.42 99.29
	Note: Includes 6 minutes of battery backup at full load.	
26 33 53 00-0006	EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,146.09 113.47
	Note: Includes 5 minutes of battery backup at full load.	
26 33 53 00-0007	EA 1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,397.62 127.67
	Note: Includes 5 minutes of battery backup at full load.	
26 33 53 00-0008	EA 2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	1,788.55 141.85
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0009	EA 3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	2,953.61 198.59
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0010	208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0011	EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	2,901.51 198.59
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0012	120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0013	EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	4,335.35 226.96
	Note: Includes 5 minutes of battery backup at full load.	
26 33 53 00-0014	EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	4,742.63 255.33
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0015	EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	7,076.13 312.07
	Note: Includes 7 minutes of battery backup at full load.	
26 33 53 00-0016	EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	8,130.04 340.43
	Note: Includes 4-1/2 minutes of battery backup at full load.	
26 33 53 00-0017	230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) ^(26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0018	EA 0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	931.42 99.29
	Note: Includes 11 minutes of battery backup at full load.	
26 33 53 00-0019	EA 1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,146.09 113.47
	Note: Includes 6 minutes of battery backup at full load.	
26 33 53 00-0020	EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,413.01 127.67
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0021	EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	1,792.26 141.85
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0022	EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	2,965.18 198.59
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0023	EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	4,161.36 226.96
	Note: Includes 9 minutes of battery backup at full load.	
26 33 53 00-0024	EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	5,104.37 255.33
	Note: Includes 6 minutes of battery backup at full load.	
26 33 53 00-0025	EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	7,881.32 340.43
	Note: Includes 3 minutes of battery backup at full load.	

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 33 Battery Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0026			Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027	EA		External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	508.75	25.80
26 33 53 00-0028	EA		External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	665.26	25.80
26 33 53 00-0029	EA		External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	647.84	25.80
26 33 53 00-0030	EA		External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	441.33	25.80
26 33 53 00-0031	EA		Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	665.73	85.11
26 33 53 00-0032	EA		Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	751.70	113.47
26 33 53 00-0033			Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034			Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0033)</small>		
26 33 53 00-0035			480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0034)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036	EA		30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 34 Minute Battery, Add</i>	20,832.37 795.73 4,056.74 10,285.53	737.62
26 33 53 00-0037	EA		40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 23 Minute Battery, Add</i> <i>For 37 Minute Battery, Add</i>	24,833.08 888.26 4,551.96 11,092.09 12,664.49	907.84
26 33 53 00-0038	EA		50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 18 Minute Battery, Add</i> <i>For 28 Minute Battery, Add</i> <i>For 35 Minute Battery, Add</i>	27,433.73 1,003.24 4,551.96 10,457.47 12,802.03 13,566.73	1,134.80
26 33 53 00-0039	EA		65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 2-Breaker, Add</i> <i>For 12 Minute Battery, Add</i> <i>For 19 Minute Battery, Add</i> <i>For 25 Minute Battery, Add</i> <i>For 30 Minute Battery, Add</i>	31,223.52 1,161.62 5,573.39 11,512.37 13,142.65 13,899.19 18,484.83	1,418.49
26 33 53 00-0040	EA		80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 3-Breaker, Add</i> <i>For 15 Minute Battery, Add</i> <i>For 19 Minute Battery, Add</i> <i>For 33 Minute Battery, Add</i>	33,313.02 1,161.62 5,573.39 13,271.61 15,158.48 24,675.34	1,702.19
26 33 53 00-0041	EA		100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 3-Breaker, Add</i> <i>For 11 Minute Battery, Add</i> <i>For 17 Minute Battery, Add</i> <i>For 25 Minute Battery, Add</i> <i>For 35 Minute Battery, Add</i>	36,049.66 1,298.62 6,009.58 14,066.37 21,055.56 25,526.89 28,726.56	1,985.89
26 33 53 00-0042	EA		130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E) <i>For 208/208 Volt AC, Add</i> <i>For MBC 3-Breaker, Add</i> <i>For 11 Minute Battery, Add</i> <i>For 17 Minute Battery, Add</i> <i>For 25 Minute Battery, Add</i> <i>For 30 Minute Battery, Add</i>	39,369.60 1,366.18 6,532.17 19,514.63 23,434.86 31,216.88 37,653.73	2,269.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0043 EA 225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAA)	49,827.27	2,553.29
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	1,907.94	
<i>For Isolation Transformer, Add</i>	6,260.63	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	6,972.86	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	7,530.73	
<i>For VRLA 12 Minute Battery, Add</i>	33,235.55	
<i>For VRLA 14 Minute Battery, Add</i>	35,780.72	
<i>For VRLA 22 Minute Battery, Add</i>	44,863.04	
<i>For VRLA 37 Minute Battery, Add</i>	66,752.95	
26 33 53 00-0044 EA 300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAA)	63,931.62	2,836.99
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	2,083.36	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Isolation Transformer, Add</i>	7,351.60	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	8,410.94	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	9,628.97	
<i>For VRLA 14 Minute Battery, Add</i>	44,914.62	
<i>For VRLA 17 Minute Battery, Add</i>	53,340.10	
<i>For VRLA 26 Minute Battery, Add</i>	66,813.13	
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAA)	100,399.72	3,404.38
<i>For Customer Alarm Interface, Add</i>	501.09	
<i>For Alarm Status Contacts, Add</i>	603.67	
<i>For Maintenance Bypass Interface, Add</i>	706.25	
<i>For Communication Interface, Add</i>	789.11	
<i>For Flush Mount Remote Status Panel, Add</i>	994.29	
<i>For SNMP, Add</i>	1,242.86	
<i>For Load Bus Sync Board, Add</i>	1,854.42	
<i>For Input Filter with Disconnect, Add</i>	5,900.12	
<i>For Two Breaker Maintenance Bypass Switchboard, Add</i>	8,199.69	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	8,965.92	
<i>For 12 Pulse With Isolation Transformer, Add</i>	11,178.39	
<i>For Three Breaker Maintenance Bypass Switchboard, Add</i>	12,468.80	
<i>For VRLA 12 Minute Battery, Add</i>	72,084.48	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems	456.65	42.98
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems	731.24	42.98
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems	1,416.51	85.97
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems	4,430.20	343.88
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	324.43	42.98
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	179.76	42.98
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	200.87	42.98
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	221.98	42.98
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	259.98	42.98
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	272.65	42.98
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	338.09	42.98
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	353.92	42.98
26 33 53 00-0059 Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>		
26 33 53 00-0060 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	3,162.89	78.59
26 33 53 00-0061 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	3,838.31	157.19
26 33 53 00-0062 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel	18.76	4.71
26 33 53 00-0063 EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel	32.52	5.89
26 33 53 00-0064 EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel	58.43	5.89
26 33 53 00-0065 EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel	85.16	7.86
26 33 53 00-0066 EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel	119.36	7.86

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 33 Battery Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 33 53 00-0067	EA	Uninterrupted Power Supply Remote Status Panel	2,178.27	78.59
26 33 53 00-0068	EA	Uninterrupted Power Supply Remote Contact Board.....	739.75	58.95

26 35 Power Filters And Conditioners (26 30)

26 35 33 Power Factor Correction Equipment (26 35)

26 35 33 00-0001 Power Factor Correction Capacitors (26 35 33)

26 35 33 00-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	364.83	
26 35 33 00-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	404.06	
26 35 33 00-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	443.29	
26 35 33 00-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	480.95	
26 35 33 00-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	590.79	
26 35 33 00-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC.....	721.81	
26 35 33 00-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC.....	1,114.88	
26 35 33 00-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC.....	1,354.18	
26 35 33 00-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC.....	1,749.61	
26 35 33 00-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC.....	1,989.69	
26 35 33 00-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC.....	3,491.37	
26 35 33 00-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC.....	5,249.60	
26 35 33 00-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC.....	7,000.00	
26 35 33 00-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	324.81	

26 35 43 Static-Frequency Converters (26 35)

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	405.53	85.97
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	689.27	103.16
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	792.63	137.55
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,082.87	171.94
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,484.11	223.52
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,910.20	275.10
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,385.96	326.68
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,894.21	369.67
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,371.87	447.04
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,856.23	502.93
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,340.59	558.81
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,380.00	674.86
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,959.22	812.41
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,802.08	988.65
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,081.28	1,156.28
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	12,881.48	1,289.54
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,435.37	1,461.48
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	28,721.65	1,633.41

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,421.29	1,366.91
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,132.62	1,719.39
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,787.62	2,046.07

26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,063.07	150.44
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,234.94	186.89

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,853.67	309.17
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,513.72	397.51
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,960.35	530.00
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	8,844.42	662.51

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	2,958.31	220.84
<i>For NEMA 3R Enclosure, Add</i>	616.95	
<i>For NEMA 4 Enclosure, Add</i>	653.23	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	3,418.60	265.01
<i>For NEMA 3R Enclosure, Add</i>	616.95	
<i>For NEMA 4 Enclosure, Add</i>	653.23	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	3,763.80	309.17
<i>For NEMA 3R Enclosure, Add</i>	616.95	
<i>For NEMA 4 Enclosure, Add</i>	653.23	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	4,472.98	353.34
<i>For NEMA 3R Enclosure, Add</i>	725.82	
<i>For NEMA 4 Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	5,105.62	397.51
<i>For NEMA 3R Enclosure, Add</i>	725.82	
<i>For NEMA 4 Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	5,635.13	441.67
<i>For NEMA 3R Enclosure, Add</i>	725.82	
<i>For NEMA 4 Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	5,895.82	485.84
<i>For NEMA 3R Enclosure, Add</i>	856.46	
<i>For NEMA 4 Enclosure, Add</i>	1,016.14	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	6,661.55	530.00
<i>For NEMA 3R Enclosure, Add</i>	856.46	
<i>For NEMA 4 Enclosure, Add</i>	1,016.14	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	9,109.16	662.51
<i>For NEMA 3R Enclosure, Add</i>	856.46	
<i>For NEMA 4 Enclosure, Add</i>	1,016.14	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	10,231.87	795.01
<i>For NEMA 3R Enclosure, Add</i>	1,052.43	
<i>For NEMA 4 Enclosure, Add</i>	1,161.31	
<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	13,247.25	1,060.02
<i>For NEMA 3R Enclosure, Add</i>	1,052.43	
<i>For NEMA 4 Enclosure, Add</i>	1,161.31	
<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	17,144.87	1,148.35
<i>For NEMA 3R Enclosure, Add</i>	2,322.60	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	1,088.72	
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	18,300.06	1,325.03
<i>For NEMA 3R Enclosure, Add</i>	3,774.22	
<i>For NEMA 4 Enclosure, Add</i>	4,645.20	
<i>For NEMA 12 Enclosure, Add</i>	3,774.22	
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	20,921.04	1,501.69
<i>For NEMA 3R Enclosure, Add</i>	3,774.22	
<i>For NEMA 4 Enclosure, Add</i>	4,645.20	
<i>For NEMA 12 Enclosure, Add</i>	3,774.22	
26 36 23 00-0022 EA 3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	25,276.04	1,855.03
<i>For NEMA 3R Enclosure, Add</i>	3,774.22	
26 36 23 00-0023 EA 4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	43,658.34	2,208.37
<i>For NEMA 3R Enclosure, Add</i>	17,738.82	
26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	14,892.38	1,678.36
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0026 EA 225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	15,549.62	1,766.70
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0027 EA 260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	16,301.25	1,855.03
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	18,152.14	1,899.20
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	20,889.60	1,943.36
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 36 Transfer Switches



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0030	EA		600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	25,008.73	2,031.70
			<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0031	EA		800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	27,540.66	2,120.04
			<i>For NEMA 3R Enclosure, Add</i>	1,306.46	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	798.40	
26 36 23 00-0032	EA		1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	34,558.56	2,473.38
			<i>For NEMA 3R Enclosure, Add</i>	1,306.46	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	798.40	
26 36 23 00-0033	EA		1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	44,942.37	2,650.04
			<i>For NEMA 3R Enclosure, Add</i>	5,806.49	
			<i>For NEMA 4 Enclosure, Add</i>	7,258.11	
			<i>For NEMA 12 Enclosure, Add</i>	5,806.49	
26 36 23 00-0034	EA		1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	58,532.90	2,826.72
			<i>For NEMA 3R Enclosure, Add</i>	12,338.79	
			<i>For NEMA 4 Enclosure, Add</i>	12,338.79	
			<i>For NEMA 12 Enclosure, Add</i>	11,496.85	
26 36 23 00-0035	EA		2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	66,443.10	3,091.72
			<i>For NEMA 3R Enclosure, Add</i>	12,338.79	
			<i>For NEMA 4 Enclosure, Add</i>	12,338.79	
			<i>For NEMA 12 Enclosure, Add</i>	11,496.85	
26 36 23 00-0036	EA		3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	106,039.72	3,533.39
			<i>For NEMA 3R Enclosure, Add</i>	15,242.03	
26 36 23 00-0037	EA		4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	114,484.32	3,975.07
			<i>For NEMA 3R Enclosure, Add</i>	15,242.03	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure					
<small>(26 36 23 00-0001)</small>					
26 36 23 00-0039	EA		40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	4,789.55	220.84
			<i>For NEMA 3R Enclosure, Add</i>	362.91	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0040	EA		70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	5,186.64	265.01
			<i>For NEMA 3R Enclosure, Add</i>	362.91	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0041	EA		125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	5,583.08	309.17
			<i>For NEMA 3R Enclosure, Add</i>	362.91	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0042	EA		150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	6,700.15	353.34
			<i>For Four Pole Circuit Breaker, Add</i>	1,814.53	
			<i>For NEMA 3R Enclosure, Add</i>	362.91	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0043	EA		225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	8,707.56	397.51
			<i>For Four Pole Circuit Breaker, Add</i>	1,814.53	
			<i>For NEMA 3R Enclosure, Add</i>	362.91	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0044	EA		250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	9,275.66	441.67
			<i>For Four Pole Circuit Breaker, Add</i>	1,814.53	
			<i>For NEMA 3R Enclosure, Add</i>	362.91	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0045	EA		300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	9,653.47	485.84
			<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
			<i>For NEMA 3R Enclosure, Add</i>	943.56	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0046	EA		400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	10,918.93	530.00
			<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
			<i>For NEMA 3R Enclosure, Add</i>	943.56	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0047	EA		600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	13,254.07	662.51
			<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
			<i>For NEMA 3R Enclosure, Add</i>	943.56	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0048	EA		800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	13,835.80	795.01
			<i>For Four Pole Circuit Breaker, Add</i>	3,520.19	
			<i>For NEMA 3R Enclosure, Add</i>	1,625.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0049	EA		1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	16,361.43	1,060.02
			<i>For Four Pole Circuit Breaker, Add</i>	3,520.19	
			<i>For NEMA 3R Enclosure, Add</i>	1,625.82	
			<i>For NEMA 12 Enclosure, Add</i>	1,016.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0050 Accessories <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch	168.39	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch	1,379.05	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch.....	500.81	
26 36 33 Non-Automatic Transfer Switches <small>(26 36)</small>		
26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 33)</small>		
26 36 33 00-0002 EA 40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,009.41	220.84
For NEMA 3R Enclosure, Add	616.95	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0003 EA 70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,233.49	265.01
For NEMA 3R Enclosure, Add	616.95	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0004 EA 125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,538.10	309.17
For NEMA 3R Enclosure, Add	616.95	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0005 EA 150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,388.66	353.34
For NEMA 3R Enclosure, Add	725.82	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	3,873.26	397.51
For NEMA 3R Enclosure, Add	725.82	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,352.86	441.67
For NEMA 3R Enclosure, Add	725.82	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	4,839.80	485.84
For NEMA 3R Enclosure, Add	856.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	5,668.08	530.00
For NEMA 3R Enclosure, Add	856.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	7,482.86	662.51
For NEMA 3R Enclosure, Add	856.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	8,435.90	795.01
For NEMA 3R Enclosure, Add	1,052.43	
For NEMA 12 Enclosure, Add	1,016.14	
26 36 33 00-0012 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	11,147.84	1,060.02
For NEMA 3R Enclosure, Add	1,052.43	
For NEMA 12 Enclosure, Add	1,016.14	
26 40 Electrical And Cathodic Protection <small>(26)</small>		
26 43 Surge Protective Devices <small>(26 40)</small>		
26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits <small>(26 43)</small>		
26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	195.91	21.50
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	211.43	21.50
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	220.03	25.80
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	182.88	17.20
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	220.03	25.80
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	272.38	21.50
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	289.84	25.80
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	281.24	21.50
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	289.84	25.80
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	330.00	21.50
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	347.47	25.80
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	308.11	17.20
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	347.47	25.80
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	389.85	21.50
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	439.45	25.80
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	369.06	17.20

26	26 Electrical
	26 40 Electrical And Cathodic Protection
	26 43 Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	688.80	25.80
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	680.20	21.50
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	688.80	25.80
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	3,996.05	42.98
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,882.61	42.98
26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0029)</small> Note: Square D. EMA series.		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,219.71	111.76
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,550.66	128.96
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,191.11	150.44
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,908.60	171.94
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,224.57	236.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,360.09	111.76
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,704.87	128.96
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,429.35	150.44
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,218.01	171.94
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,702.03	236.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,360.09	111.76
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,704.87	128.96
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,429.31	150.44
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,218.01	171.94
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,702.03	236.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,500.48	111.76
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,861.06	128.96
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,669.55	150.44
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,529.44	171.94
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,181.43	236.42
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,663.58	111.76
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,023.20	128.96
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Surge Protective Devices	26 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,920.63 265.68 203.04	150.44
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,855.65 265.68 203.04	171.94
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,004.95 265.68 203.04	236.42
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor (26 <small>43 13 00-0028)</small> Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,508.00 265.68 203.04	111.76
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,030.73 265.68 203.04	128.96
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,445.78 265.68 203.04	150.44
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,588.07 265.68 203.04	111.76
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,149.35 265.68 203.04	128.96
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,600.97 265.68 203.04	150.44
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,588.07 265.68 203.04	111.76
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,149.35 265.68 203.04	128.96
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,600.97 265.68 203.04	150.44
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,689.89 265.68 203.04	111.76
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,276.88 265.68 203.04	128.96
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,799.66 265.68 203.04	150.44
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,796.66 265.68 203.04	111.76
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,412.30 265.68 203.04	128.96
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,008.23 265.68 203.04	150.44
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,153.86 265.68 203.04	111.76
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,484.81 265.68 203.04	128.96
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,125.25 265.68 203.04	150.44
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,294.24 265.68 203.04	111.76
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,639.01 265.68 203.04	128.96
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,363.49 265.68 203.04	150.44
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,294.24 265.68 203.04	111.76

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,639.01 265.68 203.04	128.96
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,363.45 265.68 203.04	150.44
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,434.62 265.68 203.04	111.76
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,795.20 265.68 203.04	128.96
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,603.70 265.68 203.04	150.44
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,597.73 265.68 203.04	111.76
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,957.35 265.68 203.04	128.96
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,854.78 265.68 203.04	150.44
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0026)</small> Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,442.15 265.68 203.04	111.76
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,964.88 265.68 203.04	128.96
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,379.92 265.68 203.04	150.44
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,522.22 265.68 203.04	111.76
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,083.50 265.68 203.04	128.96
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,535.11 265.68 203.04	150.44
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,522.22 265.68 203.04	111.76
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,083.50 265.68 203.04	128.96
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,535.11 265.68 203.04	150.44
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,624.04 265.68 203.04	111.76
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,211.02 265.68 203.04	128.96
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,733.80 265.68 203.04	150.44
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,730.80 265.68 203.04	111.76
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,346.44 265.68 203.04	128.96
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,942.38 265.68 203.04	150.44

26 50 Lighting (26)

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 52 Safety Lighting (26 50)

26 52 00 00-0001 Commercial Emergency Lights (26 52)



Electrical	26	
Lighting	26 50	26
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0002			Polycarbonate Housing, Commercial Emergency Lights <small>(26 52 00 00-0001)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0003	EA		3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	135.93	21.50
26 52 00 00-0004	EA		10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	96.86	21.50
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 00 00-0005	EA		18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	147.99	21.50
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 00 00-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	171.13	21.50
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 00 00-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	250.67	21.50
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 00 00-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	282.96	21.50
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 00 00-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	408.75	21.50
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 00 00-0010			Remote Heads For Commercial Emergency Lights <small>(26 52 00 00-0001)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	91.29	12.90
26 52 00 00-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	91.87	12.90
26 52 00 00-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	93.82	12.90
26 52 00 00-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	93.50	12.90
26 52 00 00-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	81.52	12.90
26 52 00 00-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	57.71	12.90
26 52 00 00-0017			Industrial Emergency Lights <small>(26 52)</small>		
26 52 00 00-0018			Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0019			Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	233.10	21.50
			For Wireguard, Add	114.39	
26 52 00 00-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	196.98	21.50
			For Wireguard, Add	114.39	
26 52 00 00-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	302.55	21.50
			For Wireguard, Add	114.39	
26 52 00 00-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	320.77	21.50
			For Wireguard, Add	114.39	
26 52 00 00-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	454.39	21.50
			For Wireguard, Add	121.84	
26 52 00 00-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	710.00	21.50
			For Wireguard, Add	121.84	
26 52 00 00-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	71.43	12.90
			For Wireguard, Add	92.32	
26 52 00 00-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	73.70	12.90
			For Wireguard, Add	92.32	
26 52 00 00-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	71.75	12.90
			For Wireguard, Add	92.32	
26 52 00 00-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	72.12	12.90
			For Wireguard, Add	92.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	73.70	12.90
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	85.21	12.90
<i>For Wireguard, Add</i>	92.32	
26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	230.20	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	249.47	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	244.19	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	257.66	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	428.24	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	338.20	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	377.81	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	397.88	21.50
<i>For Wireguard, Add</i>	111.22	
<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
Note: For use with fixtures that have remote capability.		
26 52 00 00-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	62.72	12.90
26 52 00 00-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	67.31	12.90
26 52 00 00-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	62.77	12.90
26 52 00 00-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	66.15	12.90
26 52 00 00-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	57.47	12.90
26 52 00 00-0049 Outdoor Emergency Lights <small>(26 52)</small>		
26 52 00 00-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 00 00-0049)</small>		
Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	357.48	21.50
26 52 00 00-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	424.81	21.50
26 52 00 00-0053 Recessed Emergency Lights <small>(26 52)</small>		
26 52 00 00-0054 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	388.15	21.50
<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055 EA 16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	318.46	42.98
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
<i>For Wireguard, Add</i>	121.84	



Electrical		26
Lighting		26 50
Safety Lighting		26 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0056	EA		50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	448.96	42.98
			Note: Includes lead-calcium batteries and two adjustable lamp heads. For Wireguard, Add	121.84	
26 52 00 00-0057			Square Wraparound Emergency Lights (26 52)		
26 52 00 00-0058	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	182.32	21.50
26 53			Exit Signs (26 50)		
			Note: Excludes pendants.		
26 53 00 00-0001			LED Exit Signs (26 53)		
			Note: Includes red LED lamps.		
26 53 00 00-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	115.69	31.42
			For Green LED Lamps, Add	15.00	
26 53 00 00-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	115.69	31.42
			For Green LED Lamps, Add	15.00	
26 53 00 00-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	155.21	31.42
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
26 53 00 00-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	155.21	31.42
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
26 53 00 00-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	169.33	31.42
			For Green LED Lamps, Add	15.00	
26 53 00 00-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	189.93	31.42
			For Green LED Lamps, Add	15.00	
26 53 00 00-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	160.72	31.42
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
26 53 00 00-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	175.67	31.42
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
26 53 00 00-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	207.45	31.42
			Note: Includes two circular side mounted krypton emergency lights. For Green LED Lamps, Add	15.00	
26 53 00 00-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	296.12	31.42
			Note: Includes two circular side mounted LED emergency lights. For Green LED Lamps, Add	15.00	
26 53 00 00-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	252.77	31.42
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights. For Green LED Lamps, Add	15.00	
26 53 00 00-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	263.63	31.42
			Note: Includes two circular side mounted PAR 36 emergency lights. For Green LED Lamps, Add	15.00	
26 53 00 00-0014			Edge-Lit LED Exit Signs (26 53)		
			Note: Includes red LED lamps.		
26 53 00 00-0015	EA		Single Face, Edge-Lit LED Exit Sign.....	231.76	31.42
			For Green LED Lamps, Add	40.00	
26 53 00 00-0016	EA		Double Face, Edge-Lit LED Exit Sign	247.65	31.42
			For Green LED Lamps, Add	40.00	
26 53 00 00-0017	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	280.82	31.42
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
26 53 00 00-0018	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	292.52	31.42
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
26 53 00 00-0019			Self-Luminous Tritium Exit Signs (26 53)		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	310.01	31.42
26 53 00 00-0021	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	556.91	31.42
26 53 00 00-0022	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	366.25	31.42
26 53 00 00-0023	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	602.06	31.42
26 53 00 00-0024	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	338.00	31.42
26 53 00 00-0025	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	602.06	31.42
26 53 00 00-0026	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	411.15	31.42
26 53 00 00-0027	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	743.60	31.42
26 53 00 00-0028			Vandal-Resistant LED Exit Signs (26 53)		
			Note: Includes red LED lamps.		
26 53 00 00-0029	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	293.37	31.42
26 53 00 00-0030	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	446.27	31.42

26 Electrical**26 50 Lighting****26 53 Exit Signs**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	540.01	31.42
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture <small>(26 53)</small>		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures..... Note: Includes storage and cleaning.	64.48	
26 53 00 00-0034 Exit Sign Accessories <small>(26 53)</small>		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	70.02	8.61
26 53 00 00-0036 EA Wire Guard For Exit Signs Or Emergency Lights.....	42.42	8.61
26 53 00 00-0037 EA Replacement Battery For Exit Signs	71.11	10.76
26 56 Exterior Lighting <small>(26 56)</small>		
26 56 13 Lighting Poles And Standards <small>(26 56)</small>		
26 56 13 00-0001 Poles And Standards <small>(26 56 13)</small> See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002 Roadway Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0003 Steel Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,826.56	285.95
For Galvanized Finish, Add	67.64	
For >10 To 20, Deduct	-70.66	
For >20 To 40, Deduct	-141.33	
For >40, Deduct	-226.29	
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,832.12	285.95
For Galvanized Finish, Add	67.81	
For >10 To 20, Deduct	-70.80	
For >20 To 40, Deduct	-141.61	
For >40, Deduct	-226.71	
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,055.77	381.26
For Galvanized Finish, Add	68.80	
For >10 To 20, Deduct	-76.39	
For >20 To 40, Deduct	-152.79	
For >40, Deduct	-248.25	
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,122.78	381.26
For Galvanized Finish, Add	70.81	
For >10 To 20, Deduct	-78.07	
For >20 To 40, Deduct	-156.14	
For >40, Deduct	-253.27	
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,189.78	381.26
For Galvanized Finish, Add	72.82	
For >10 To 20, Deduct	-79.74	
For >20 To 40, Deduct	-159.49	
For >40, Deduct	-258.30	
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,299.21	428.92
For Galvanized Finish, Add	73.24	
For >10 To 20, Deduct	-82.48	
For >20 To 40, Deduct	-164.96	
For >40, Deduct	-268.89	
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,330.98	428.92
For Galvanized Finish, Add	74.19	
For >10 To 20, Deduct	-83.27	
For >20 To 40, Deduct	-166.55	
For >40, Deduct	-271.27	
26 56 13 00-0014 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,337.03	428.92
For Galvanized Finish, Add	74.38	
For >10 To 20, Deduct	-83.43	
For >20 To 40, Deduct	-166.85	
For >40, Deduct	-271.72	



Electrical 26

Lighting 26 50

Exterior Lighting 26 56

26

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0015	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,497.50	452.74
	For Galvanized Finish, Add	77.76	
	For >10 To 20, Deduct	-87.44	
	For >20 To 40, Deduct	-174.88	
	For >40, Deduct	-284.95	
26 56 13 00-0016	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,521.50	452.74
	For Galvanized Finish, Add	78.48	
	For >10 To 20, Deduct	-88.04	
	For >20 To 40, Deduct	-176.08	
	For >40, Deduct	-286.75	
26 56 13 00-0017	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,547.71	452.74
	For Galvanized Finish, Add	79.27	
	For >10 To 20, Deduct	-88.69	
	For >20 To 40, Deduct	-177.39	
	For >40, Deduct	-288.72	
26 56 13 00-0018	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,064.80	476.58
	For Galvanized Finish, Add	93.35	
	For >10 To 20, Deduct	-101.62	
	For >20 To 40, Deduct	-203.24	
	For >40, Deduct	-328.69	
26 56 13 00-0019	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,073.34	476.58
	For Galvanized Finish, Add	93.61	
	For >10 To 20, Deduct	-101.83	
	For >20 To 40, Deduct	-203.67	
	For >40, Deduct	-329.33	
26 56 13 00-0020	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,081.79	476.58
	For Galvanized Finish, Add	93.86	
	For >10 To 20, Deduct	-102.04	
	For >20 To 40, Deduct	-204.09	
	For >40, Deduct	-329.96	
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms			
	<small>(26 56 13 00-0005)</small>		
26 56 13 00-0022	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,530.02	333.60
	For Galvanized Finish, Add	85.88	
	For >10 To 20, Deduct	-88.25	
	For >20 To 40, Deduct	-176.50	
	For >40, Deduct	-281.43	
26 56 13 00-0023	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,589.66	345.52
	For Galvanized Finish, Add	86.96	
	For >10 To 20, Deduct	-89.74	
	For >20 To 40, Deduct	-179.48	
	For >40, Deduct	-286.50	
26 56 13 00-0024	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,640.47	357.43
	For Galvanized Finish, Add	87.77	
	For >10 To 20, Deduct	-91.01	
	For >20 To 40, Deduct	-182.02	
	For >40, Deduct	-290.91	
26 56 13 00-0025	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,488.52	428.92
	For Galvanized Finish, Add	78.92	
	For >10 To 20, Deduct	-87.21	
	For >20 To 40, Deduct	-174.43	
	For >40, Deduct	-283.08	
26 56 13 00-0026	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,526.56	440.84
	For Galvanized Finish, Add	79.35	
	For >10 To 20, Deduct	-88.16	
	For >20 To 40, Deduct	-176.33	
	For >40, Deduct	-286.53	
26 56 13 00-0027	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,556.16	452.74
	For Galvanized Finish, Add	79.52	
	For >10 To 20, Deduct	-88.90	
	For >20 To 40, Deduct	-177.81	
	For >40, Deduct	-289.35	
26 56 13 00-0028	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,759.33	476.58
	For Galvanized Finish, Add	84.19	
	For >10 To 20, Deduct	-93.98	
	For >20 To 40, Deduct	-187.97	
	For >40, Deduct	-305.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		3,791.80	488.49
		<i>For Galvanized Finish, Add</i>		84.44	
		<i>For >10 To 20, Deduct</i>		-94.80	
		<i>For >20 To 40, Deduct</i>		-189.59	
		<i>For >40, Deduct</i>		-308.81	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		3,821.10	500.41
		<i>For Galvanized Finish, Add</i>		84.61	
		<i>For >10 To 20, Deduct</i>		-95.53	
		<i>For >20 To 40, Deduct</i>		-191.06	
		<i>For >40, Deduct</i>		-311.60	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		3,990.83	500.41
		<i>For Galvanized Finish, Add</i>		89.70	
		<i>For >10 To 20, Deduct</i>		-99.77	
		<i>For >20 To 40, Deduct</i>		-199.54	
		<i>For >40, Deduct</i>		-324.33	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,051.81	512.32
		<i>For Galvanized Finish, Add</i>		90.82	
		<i>For >10 To 20, Deduct</i>		-101.30	
		<i>For >20 To 40, Deduct</i>		-202.59	
		<i>For >40, Deduct</i>		-329.50	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,110.87	524.23
		<i>For Galvanized Finish, Add</i>		91.87	
		<i>For >10 To 20, Deduct</i>		-102.77	
		<i>For >20 To 40, Deduct</i>		-205.54	
		<i>For >40, Deduct</i>		-334.53	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		4,525.11	524.23
		<i>For Galvanized Finish, Add</i>		104.30	
		<i>For >10 To 20, Deduct</i>		-113.13	
		<i>For >20 To 40, Deduct</i>		-226.26	
		<i>For >40, Deduct</i>		-365.60	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		4,554.50	536.15
		<i>For Galvanized Finish, Add</i>		104.47	
		<i>For >10 To 20, Deduct</i>		-113.86	
		<i>For >20 To 40, Deduct</i>		-227.73	
		<i>For >40, Deduct</i>		-368.39	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		4,584.10	548.06
		<i>For Galvanized Finish, Add</i>		104.64	
		<i>For >10 To 20, Deduct</i>		-114.60	
		<i>For >20 To 40, Deduct</i>		-229.21	
		<i>For >40, Deduct</i>		-371.21	
26 56 13 00-0037		Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>			
26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		4,110.11	476.58
		<i>For Galvanized Finish, Add</i>		94.71	
		<i>For >10 To 20, Deduct</i>		-102.75	
		<i>For >20 To 40, Deduct</i>		-205.51	
		<i>For >40, Deduct</i>		-332.09	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		4,163.43	500.41
		<i>For Galvanized Finish, Add</i>		94.88	
		<i>For >10 To 20, Deduct</i>		-104.09	
		<i>For >20 To 40, Deduct</i>		-208.17	
		<i>For >40, Deduct</i>		-337.28	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base		4,225.21	524.23
		<i>For Galvanized Finish, Add</i>		95.30	
		<i>For >10 To 20, Deduct</i>		-105.63	
		<i>For >20 To 40, Deduct</i>		-211.26	
		<i>For >40, Deduct</i>		-343.10	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		4,346.93	524.23
		<i>For Galvanized Finish, Add</i>		98.95	
		<i>For >10 To 20, Deduct</i>		-108.67	
		<i>For >20 To 40, Deduct</i>		-217.35	
		<i>For >40, Deduct</i>		-352.23	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		4,402.95	548.06
		<i>For Galvanized Finish, Add</i>		99.20	
		<i>For >10 To 20, Deduct</i>		-110.07	
		<i>For >20 To 40, Deduct</i>		-220.15	
		<i>For >40, Deduct</i>		-357.62	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0043 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,456.26	571.90
For Galvanized Finish, Add	99.37	
For >10 To 20, Deduct	-111.41	
For >20 To 40, Deduct	-222.81	
For >40, Deduct	-362.81	
26 56 13 00-0044 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,626.34	548.06
For Galvanized Finish, Add	105.91	
For >10 To 20, Deduct	-115.66	
For >20 To 40, Deduct	-231.32	
For >40, Deduct	-374.38	
26 56 13 00-0045 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,679.65	571.90
For Galvanized Finish, Add	106.08	
For >10 To 20, Deduct	-116.99	
For >20 To 40, Deduct	-233.98	
For >40, Deduct	-379.57	
26 56 13 00-0046 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,732.98	595.72
For Galvanized Finish, Add	106.25	
For >10 To 20, Deduct	-118.32	
For >20 To 40, Deduct	-236.65	
For >40, Deduct	-384.76	
26 56 13 00-0047 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,985.41	571.90
For Galvanized Finish, Add	115.25	
For >10 To 20, Deduct	-124.64	
For >20 To 40, Deduct	-249.27	
For >40, Deduct	-402.50	
26 56 13 00-0048 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,038.45	595.72
For Galvanized Finish, Add	115.41	
For >10 To 20, Deduct	-125.96	
For >20 To 40, Deduct	-251.92	
For >40, Deduct	-407.67	
26 56 13 00-0049 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,097.44	619.55
For Galvanized Finish, Add	115.75	
For >10 To 20, Deduct	-127.44	
For >20 To 40, Deduct	-254.87	
For >40, Deduct	-413.29	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms
(26 56 13 00-0005)

26 56 13 00-0051 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,573.21	524.23
For Galvanized Finish, Add	105.74	
For >10 To 20, Deduct	-114.33	
For >20 To 40, Deduct	-228.66	
For >40, Deduct	-369.20	
26 56 13 00-0052 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,653.14	559.98
For Galvanized Finish, Add	106.00	
For >10 To 20, Deduct	-116.33	
For >20 To 40, Deduct	-232.66	
For >40, Deduct	-376.98	
26 56 13 00-0053 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,730.19	595.72
For Galvanized Finish, Add	106.16	
For >10 To 20, Deduct	-118.25	
For >20 To 40, Deduct	-236.51	
For >40, Deduct	-384.55	
26 56 13 00-0054 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,844.68	571.90
For Galvanized Finish, Add	111.03	
For >10 To 20, Deduct	-121.12	
For >20 To 40, Deduct	-242.23	
For >40, Deduct	-391.95	
26 56 13 00-0055 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,922.12	607.63
For Galvanized Finish, Add	111.21	
For >10 To 20, Deduct	-123.05	
For >20 To 40, Deduct	-246.11	
For >40, Deduct	-399.54	
26 56 13 00-0056 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,966.91	643.38
For Galvanized Finish, Add	110.40	
For >10 To 20, Deduct	-124.17	
For >20 To 40, Deduct	-248.35	
For >40, Deduct	-404.69	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,213.84	595.72
		<i>For Galvanized Finish, Add</i>	120.67	
		<i>For >10 To 20, Deduct</i>	-130.35	
		<i>For >20 To 40, Deduct</i>	-260.69	
		<i>For >40, Deduct</i>	-420.82	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,329.49	631.47
		<i>For Galvanized Finish, Add</i>	122.00	
		<i>For >10 To 20, Deduct</i>	-133.24	
		<i>For >20 To 40, Deduct</i>	-266.47	
		<i>For >40, Deduct</i>	-431.29	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,371.12	667.20
		<i>For Galvanized Finish, Add</i>	121.10	
		<i>For >10 To 20, Deduct</i>	-134.28	
		<i>For >20 To 40, Deduct</i>	-268.56	
		<i>For >40, Deduct</i>	-436.19	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,445.44	619.55
		<i>For Galvanized Finish, Add</i>	126.19	
		<i>For >10 To 20, Deduct</i>	-136.14	
		<i>For >20 To 40, Deduct</i>	-272.27	
		<i>For >40, Deduct</i>	-439.39	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,522.49	655.29
		<i>For Galvanized Finish, Add</i>	126.36	
		<i>For >10 To 20, Deduct</i>	-138.06	
		<i>For >20 To 40, Deduct</i>	-276.12	
		<i>For >40, Deduct</i>	-446.95	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,602.42	691.04
		<i>For Galvanized Finish, Add</i>	126.61	
		<i>For >10 To 20, Deduct</i>	-140.06	
		<i>For >20 To 40, Deduct</i>	-280.12	
		<i>For >40, Deduct</i>	-454.73	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm (26 56 13 00-0004)		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0063)		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,263.13	381.26
		<i>For Galvanized Finish, Add</i>	75.02	
		<i>For >10 To 20, Deduct</i>	-81.58	
		<i>For >20 To 40, Deduct</i>	-163.16	
		<i>For >40, Deduct</i>	-263.80	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,693.57	428.92
		<i>For Galvanized Finish, Add</i>	85.07	
		<i>For >10 To 20, Deduct</i>	-92.34	
		<i>For >20 To 40, Deduct</i>	-184.68	
		<i>For >40, Deduct</i>	-298.46	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,787.90	452.74
		<i>For Galvanized Finish, Add</i>	86.47	
		<i>For >10 To 20, Deduct</i>	-94.70	
		<i>For >20 To 40, Deduct</i>	-189.40	
		<i>For >40, Deduct</i>	-306.73	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,551.33	476.58
		<i>For Galvanized Finish, Add</i>	107.95	
		<i>For >10 To 20, Deduct</i>	-113.78	
		<i>For >20 To 40, Deduct</i>	-227.57	
		<i>For >40, Deduct</i>	-365.18	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,264.12	381.26
		<i>For Galvanized Finish, Add</i>	105.05	
		<i>For >10 To 20, Deduct</i>	-106.60	
		<i>For >20 To 40, Deduct</i>	-213.21	
		<i>For >40, Deduct</i>	-338.87	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,307.03	381.26
		<i>For Galvanized Finish, Add</i>	106.34	
		<i>For >10 To 20, Deduct</i>	-107.68	
		<i>For >20 To 40, Deduct</i>	-215.35	
		<i>For >40, Deduct</i>	-342.09	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,326.62	381.26
		<i>For Galvanized Finish, Add</i>	106.92	
		<i>For >10 To 20, Deduct</i>	-108.17	
		<i>For >20 To 40, Deduct</i>	-216.33	
		<i>For >40, Deduct</i>	-343.56	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,402.34	428.92
		<i>For Galvanized Finish, Add</i>	106.34	
		<i>For >10 To 20, Deduct</i>	-110.06	
		<i>For >20 To 40, Deduct</i>	-220.12	
		<i>For >40, Deduct</i>	-351.62	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,409.83	428.92
		<i>For Galvanized Finish, Add</i>	106.56	
		<i>For >10 To 20, Deduct</i>	-110.25	
		<i>For >20 To 40, Deduct</i>	-220.49	
		<i>For >40, Deduct</i>	-352.18	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,487.21	428.92
		<i>For Galvanized Finish, Add</i>	108.88	
		<i>For >10 To 20, Deduct</i>	-112.18	
		<i>For >20 To 40, Deduct</i>	-224.36	
		<i>For >40, Deduct</i>	-357.99	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,475.45	452.74
		<i>For Galvanized Finish, Add</i>	107.10	
		<i>For >10 To 20, Deduct</i>	-111.89	
		<i>For >20 To 40, Deduct</i>	-223.77	
		<i>For >40, Deduct</i>	-358.30	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,520.76	452.74
		<i>For Galvanized Finish, Add</i>	108.46	
		<i>For >10 To 20, Deduct</i>	-113.02	
		<i>For >20 To 40, Deduct</i>	-226.04	
		<i>For >40, Deduct</i>	-361.69	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,758.36	452.74
		<i>For Galvanized Finish, Add</i>	115.59	
		<i>For >10 To 20, Deduct</i>	-118.96	
		<i>For >20 To 40, Deduct</i>	-237.92	
		<i>For >40, Deduct</i>	-379.51	
26 56 13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,596.38	476.58
		<i>For Galvanized Finish, Add</i>	139.30	
		<i>For >10 To 20, Deduct</i>	-139.91	
		<i>For >20 To 40, Deduct</i>	-279.82	
		<i>For >40, Deduct</i>	-443.56	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,685.13	500.41
		<i>For Galvanized Finish, Add</i>	140.53	
		<i>For >10 To 20, Deduct</i>	-142.13	
		<i>For >20 To 40, Deduct</i>	-284.26	
		<i>For >40, Deduct</i>	-451.41	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,894.07	524.23
		<i>For Galvanized Finish, Add</i>	145.37	
		<i>For >10 To 20, Deduct</i>	-147.35	
		<i>For >20 To 40, Deduct</i>	-294.70	
		<i>For >40, Deduct</i>	-468.27	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,667.89	524.23
		<i>For Galvanized Finish, Add</i>	138.58	
		<i>For >10 To 20, Deduct</i>	-141.70	
		<i>For >20 To 40, Deduct</i>	-283.39	
		<i>For >40, Deduct</i>	-451.30	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,927.81	548.06
		<i>For Galvanized Finish, Add</i>	144.95	
		<i>For >10 To 20, Deduct</i>	-148.20	
		<i>For >20 To 40, Deduct</i>	-296.39	
		<i>For >40, Deduct</i>	-471.99	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,079.91	571.90
		<i>For Galvanized Finish, Add</i>	148.08	
		<i>For >10 To 20, Deduct</i>	-152.00	
		<i>For >20 To 40, Deduct</i>	-304.00	
		<i>For >40, Deduct</i>	-484.59	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,834.11	548.06
		<i>For Galvanized Finish, Add</i>	142.14	
		<i>For >10 To 20, Deduct</i>	-145.85	
		<i>For >20 To 40, Deduct</i>	-291.71	
		<i>For >40, Deduct</i>	-464.96	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,184.55	571.90
		<i>For Galvanized Finish, Add</i>	151.22	
		<i>For >10 To 20, Deduct</i>	-154.61	
		<i>For >20 To 40, Deduct</i>	-309.23	
		<i>For >40, Deduct</i>	-492.44	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,387.73	595.72
		<i>For Galvanized Finish, Add</i>	155.89	
		<i>For >10 To 20, Deduct</i>	-159.69	
		<i>For >20 To 40, Deduct</i>	-319.39	
		<i>For >40, Deduct</i>	-508.87	
26 56 13 00-0090		Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
		Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091		Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,506.88	285.95
		<i>For >10 To 20, Deduct</i>	-62.67	
		<i>For >20 To 40, Deduct</i>	-125.34	
		<i>For >40, Deduct</i>	-202.31	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,530.30	285.95
		<i>For >10 To 20, Deduct</i>	-63.26	
		<i>For >20 To 40, Deduct</i>	-126.52	
		<i>For >40, Deduct</i>	-204.07	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,051.06	381.26
		<i>For >10 To 20, Deduct</i>	-76.28	
		<i>For >20 To 40, Deduct</i>	-152.55	
		<i>For >40, Deduct</i>	-247.89	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,095.32	381.26
		<i>For >10 To 20, Deduct</i>	-77.38	
		<i>For >20 To 40, Deduct</i>	-154.77	
		<i>For >40, Deduct</i>	-251.21	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,136.02	381.26
		<i>For >10 To 20, Deduct</i>	-78.40	
		<i>For >20 To 40, Deduct</i>	-156.80	
		<i>For >40, Deduct</i>	-254.26	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,508.49	428.92
		<i>For >10 To 20, Deduct</i>	-87.71	
		<i>For >20 To 40, Deduct</i>	-175.42	
		<i>For >40, Deduct</i>	-284.58	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,545.83	428.92
		<i>For >10 To 20, Deduct</i>	-88.65	
		<i>For >20 To 40, Deduct</i>	-177.29	
		<i>For >40, Deduct</i>	-287.38	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,587.59	428.92
		<i>For >10 To 20, Deduct</i>	-89.69	
		<i>For >20 To 40, Deduct</i>	-179.38	
		<i>For >40, Deduct</i>	-290.52	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,146.94	452.74
		<i>For >10 To 20, Deduct</i>	-103.67	
		<i>For >20 To 40, Deduct</i>	-207.35	
		<i>For >40, Deduct</i>	-333.66	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,184.19	452.74
		<i>For >10 To 20, Deduct</i>	-104.60	
		<i>For >20 To 40, Deduct</i>	-209.21	
		<i>For >40, Deduct</i>	-336.45	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,215.39	452.74
		<i>For >10 To 20, Deduct</i>	-105.38	
		<i>For >20 To 40, Deduct</i>	-210.77	
		<i>For >40, Deduct</i>	-338.79	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <i>(26 56 13 00-0092)</i>		
26 56 13 00-0106 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,868.10	333.60
<i>For >10 To 20, Deduct</i>	-71.70	
<i>For >20 To 40, Deduct</i>	-143.41	
<i>For >40, Deduct</i>	-231.79	
26 56 13 00-0107 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,097.63	333.60
<i>For >10 To 20, Deduct</i>	-77.44	
<i>For >20 To 40, Deduct</i>	-154.88	
<i>For >40, Deduct</i>	-249.00	
26 56 13 00-0108 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,190.04	357.43
<i>For >10 To 20, Deduct</i>	-79.75	
<i>For >20 To 40, Deduct</i>	-159.50	
<i>For >40, Deduct</i>	-257.12	
26 56 13 00-0109 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,399.72	428.92
<i>For >10 To 20, Deduct</i>	-84.99	
<i>For >20 To 40, Deduct</i>	-169.99	
<i>For >40, Deduct</i>	-276.42	
26 56 13 00-0110 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,569.66	440.84
<i>For >10 To 20, Deduct</i>	-89.24	
<i>For >20 To 40, Deduct</i>	-178.48	
<i>For >40, Deduct</i>	-289.77	
26 56 13 00-0111 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,818.62	452.74
<i>For >10 To 20, Deduct</i>	-95.47	
<i>For >20 To 40, Deduct</i>	-190.93	
<i>For >40, Deduct</i>	-309.03	
26 56 13 00-0112 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,937.60	476.58
<i>For >10 To 20, Deduct</i>	-98.44	
<i>For >20 To 40, Deduct</i>	-196.88	
<i>For >40, Deduct</i>	-319.15	
26 56 13 00-0113 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,096.98	488.49
<i>For >10 To 20, Deduct</i>	-102.42	
<i>For >20 To 40, Deduct</i>	-204.85	
<i>For >40, Deduct</i>	-331.70	
26 56 13 00-0114 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,293.42	500.41
<i>For >10 To 20, Deduct</i>	-107.34	
<i>For >20 To 40, Deduct</i>	-214.67	
<i>For >40, Deduct</i>	-347.03	
26 56 13 00-0115 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,496.46	500.41
<i>For >10 To 20, Deduct</i>	-112.41	
<i>For >20 To 40, Deduct</i>	-224.82	
<i>For >40, Deduct</i>	-362.25	
26 56 13 00-0116 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,942.88	512.32
<i>For >10 To 20, Deduct</i>	-123.57	
<i>For >20 To 40, Deduct</i>	-247.14	
<i>For >40, Deduct</i>	-396.33	
26 56 13 00-0117 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,463.51	524.23
<i>For >10 To 20, Deduct</i>	-136.59	
<i>For >20 To 40, Deduct</i>	-273.18	
<i>For >40, Deduct</i>	-435.98	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <i>(26 56 13 00-0092)</i>		
26 56 13 00-0119 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,332.92	381.26
<i>For >10 To 20, Deduct</i>	-83.32	
<i>For >20 To 40, Deduct</i>	-166.65	
<i>For >40, Deduct</i>	-269.03	
26 56 13 00-0120 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,566.24	405.09
<i>For >10 To 20, Deduct</i>	-89.16	
<i>For >20 To 40, Deduct</i>	-178.31	
<i>For >40, Deduct</i>	-287.72	
26 56 13 00-0121 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,043.29	476.58
<i>For >10 To 20, Deduct</i>	-101.08	
<i>For >20 To 40, Deduct</i>	-202.16	
<i>For >40, Deduct</i>	-327.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0122 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,213.74	500.41
For >10 To 20, Deduct	-105.34	
For >20 To 40, Deduct	-210.69	
For >40, Deduct	-341.05	
26 56 13 00-0123 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,412.79	524.23
For >10 To 20, Deduct	-110.32	
For >20 To 40, Deduct	-220.64	
For >40, Deduct	-357.17	
26 56 13 00-0124 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,566.15	548.06
For >10 To 20, Deduct	-114.15	
For >20 To 40, Deduct	-228.31	
For >40, Deduct	-369.86	
26 56 13 00-0125 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,785.99	548.06
For >10 To 20, Deduct	-119.65	
For >20 To 40, Deduct	-239.30	
For >40, Deduct	-386.35	
26 56 13 00-0126 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,223.78	571.90
For >10 To 20, Deduct	-130.59	
For >20 To 40, Deduct	-261.19	
For >40, Deduct	-420.38	
26 56 13 00-0127 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,046.51	595.72
For >10 To 20, Deduct	-151.16	
For >20 To 40, Deduct	-302.33	
For >40, Deduct	-483.27	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0129 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,427.65	428.92
For >10 To 20, Deduct	-85.69	
For >20 To 40, Deduct	-171.38	
For >40, Deduct	-278.52	
26 56 13 00-0130 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,568.20	428.92
For >10 To 20, Deduct	-89.21	
For >20 To 40, Deduct	-178.41	
For >40, Deduct	-289.06	
26 56 13 00-0131 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,421.53	524.23
For >10 To 20, Deduct	-110.54	
For >20 To 40, Deduct	-221.08	
For >40, Deduct	-357.83	
26 56 13 00-0132 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,792.63	559.98
For >10 To 20, Deduct	-119.82	
For >20 To 40, Deduct	-239.63	
For >40, Deduct	-387.45	
26 56 13 00-0133 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,007.88	571.90
For >10 To 20, Deduct	-125.20	
For >20 To 40, Deduct	-250.39	
For >40, Deduct	-404.19	
26 56 13 00-0134 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,347.88	607.63
For >10 To 20, Deduct	-133.70	
For >20 To 40, Deduct	-267.39	
For >40, Deduct	-431.47	
26 56 13 00-0135 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,278.35	595.72
For >10 To 20, Deduct	-131.96	
For >20 To 40, Deduct	-263.92	
For >40, Deduct	-425.66	
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,037.87	631.47
For >10 To 20, Deduct	-150.95	
For >20 To 40, Deduct	-301.89	
For >40, Deduct	-484.41	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,706.29	667.20
For >10 To 20, Deduct	-167.66	
For >20 To 40, Deduct	-335.31	
For >40, Deduct	-536.33	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,701.37	381.26
For >10 To 20, Deduct	-92.53	
For >20 To 40, Deduct	-185.07	
For >40, Deduct	-296.67	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,732.66	381.26
For >10 To 20, Deduct	-93.32	
For >20 To 40, Deduct	-186.63	
For >40, Deduct	-299.01	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,812.63	381.26
For >10 To 20, Deduct	-95.32	
For >20 To 40, Deduct	-190.63	
For >40, Deduct	-305.01	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,932.63	381.26
For >10 To 20, Deduct	-98.32	
For >20 To 40, Deduct	-196.63	
For >40, Deduct	-314.01	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,167.72	428.92
For >10 To 20, Deduct	-104.19	
For >20 To 40, Deduct	-208.39	
For >40, Deduct	-334.02	
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,238.28	428.92
For >10 To 20, Deduct	-105.96	
For >20 To 40, Deduct	-211.91	
For >40, Deduct	-339.32	
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,313.54	428.92
For >10 To 20, Deduct	-107.84	
For >20 To 40, Deduct	-215.68	
For >40, Deduct	-344.96	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,767.53	428.92
For >10 To 20, Deduct	-119.19	
For >20 To 40, Deduct	-238.38	
For >40, Deduct	-379.01	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,538.24	452.74
For >10 To 20, Deduct	-113.46	
For >20 To 40, Deduct	-226.91	
For >40, Deduct	-363.01	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,120.76	452.74
For >10 To 20, Deduct	-128.02	
For >20 To 40, Deduct	-256.04	
For >40, Deduct	-406.69	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,177.50	452.74
For >10 To 20, Deduct	-129.44	
For >20 To 40, Deduct	-258.88	
For >40, Deduct	-410.95	
26 56 13 00-0151 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,537.69	452.74
For >10 To 20, Deduct	-138.44	
For >20 To 40, Deduct	-276.88	
For >40, Deduct	-437.96	
26 56 13 00-0152 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,866.20	452.74
For >10 To 20, Deduct	-146.66	
For >20 To 40, Deduct	-293.31	
For >40, Deduct	-462.60	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>		
26 56 13 00-0154 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,817.25	476.58
For >10 To 20, Deduct	-120.43	
For >20 To 40, Deduct	-240.86	
For >40, Deduct	-385.12	
26 56 13 00-0155 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,944.87	500.41
For >10 To 20, Deduct	-123.62	
For >20 To 40, Deduct	-247.24	
For >40, Deduct	-395.89	
26 56 13 00-0156 EA 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,043.99	524.23
For >10 To 20, Deduct	-126.10	
For >20 To 40, Deduct	-252.20	
For >40, Deduct	-404.51	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,181.08	524.23
		For >10 To 20, Deduct	-129.53	
		For >20 To 40, Deduct	-259.05	
		For >40, Deduct	-414.79	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,645.57	548.06
		For >10 To 20, Deduct	-141.14	
		For >20 To 40, Deduct	-282.28	
		For >40, Deduct	-450.82	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,515.65	571.90
		For >10 To 20, Deduct	-162.89	
		For >20 To 40, Deduct	-325.78	
		For >40, Deduct	-517.27	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,305.19	548.06
		For >10 To 20, Deduct	-157.63	
		For >20 To 40, Deduct	-315.26	
		For >40, Deduct	-500.29	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,419.84	571.90
		For >10 To 20, Deduct	-160.50	
		For >20 To 40, Deduct	-320.99	
		For >40, Deduct	-510.08	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,873.90	595.72
		For >10 To 20, Deduct	-196.85	
		For >20 To 40, Deduct	-393.70	
		For >40, Deduct	-620.33	
26 56 13 00-0163		Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm (26 56 13 00-0091)		
26 56 13 00-0164		Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0163)		
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,053.88	285.95
		For >10 To 20, Deduct	-76.35	
		For >20 To 40, Deduct	-152.69	
		For >40, Deduct	-243.34	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,142.30	285.95
		For >10 To 20, Deduct	-78.56	
		For >20 To 40, Deduct	-157.12	
		For >40, Deduct	-249.97	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,230.91	285.95
		For >10 To 20, Deduct	-80.77	
		For >20 To 40, Deduct	-161.55	
		For >40, Deduct	-256.62	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,606.04	381.26
		For >10 To 20, Deduct	-90.15	
		For >20 To 40, Deduct	-180.30	
		For >40, Deduct	-289.52	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,673.43	381.26
		For >10 To 20, Deduct	-91.84	
		For >20 To 40, Deduct	-183.67	
		For >40, Deduct	-294.57	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,747.06	381.26
		For >10 To 20, Deduct	-93.68	
		For >20 To 40, Deduct	-187.35	
		For >40, Deduct	-300.09	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,070.76	428.92
		For >10 To 20, Deduct	-101.77	
		For >20 To 40, Deduct	-203.54	
		For >40, Deduct	-326.75	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,162.25	428.92
		For >10 To 20, Deduct	-104.06	
		For >20 To 40, Deduct	-208.11	
		For >40, Deduct	-333.61	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,175.97	428.92
		For >10 To 20, Deduct	-104.40	
		For >20 To 40, Deduct	-208.80	
		For >40, Deduct	-334.64	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,443.96	452.74
		For >10 To 20, Deduct	-111.10	
		For >20 To 40, Deduct	-222.20	
		For >40, Deduct	-355.93	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0175 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davitt Style Arm, Anchor Base	4,484.09	452.74
For >10 To 20, Deduct	-112.10	
For >20 To 40, Deduct	-224.20	
For >40, Deduct	-358.94	
26 56 13 00-0176 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davitt Style Arm, Anchor Base	4,578.17	452.74
For >10 To 20, Deduct	-114.45	
For >20 To 40, Deduct	-228.91	
For >40, Deduct	-366.00	
26 56 13 00-0177 Area Light Poles (26 56 13 00-0001)		
26 56 13 00-0178 Steel Area Light Poles (26 56 13 00-0177)		
Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179 Round Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0179)		
26 56 13 00-0181 EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	730.70	166.81
For Galvanized Finish, Add	11.91	
For >10 To 20, Deduct	-24.22	
For >20 To 40, Deduct	-44.48	
For >40, Deduct	-92.93	
26 56 13 00-0182 EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	800.36	190.63
For Galvanized Finish, Add	12.57	
For >10 To 20, Deduct	-26.30	
For >20 To 40, Deduct	-48.40	
For >40, Deduct	-100.99	
26 56 13 00-0183 EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	895.32	214.46
For Galvanized Finish, Add	13.99	
For >10 To 20, Deduct	-29.38	
For >20 To 40, Deduct	-54.09	
For >40, Deduct	-112.85	
26 56 13 00-0184 EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	992.48	238.29
For Galvanized Finish, Add	15.48	
For >10 To 20, Deduct	-32.55	
For >20 To 40, Deduct	-59.94	
For >40, Deduct	-125.04	
26 56 13 00-0185 EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,062.13	262.12
For Galvanized Finish, Add	16.14	
For >10 To 20, Deduct	-34.62	
For >20 To 40, Deduct	-63.86	
For >40, Deduct	-133.11	
26 56 13 00-0186 EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,126.30	285.95
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-36.47	
For >20 To 40, Deduct	-67.40	
For >40, Deduct	-140.35	
26 56 13 00-0187 EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	759.30	166.81
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-25.37	
For >20 To 40, Deduct	-46.48	
For >40, Deduct	-97.22	
26 56 13 00-0188 EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	830.06	190.63
For Galvanized Finish, Add	13.46	
For >10 To 20, Deduct	-27.48	
For >20 To 40, Deduct	-50.48	
For >40, Deduct	-105.45	
26 56 13 00-0189 EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	954.72	214.46
For Galvanized Finish, Add	15.77	
For >10 To 20, Deduct	-31.76	
For >20 To 40, Deduct	-58.25	
For >40, Deduct	-121.76	
26 56 13 00-0190 EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,030.98	238.29
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-34.09	
For >20 To 40, Deduct	-62.64	
For >40, Deduct	-130.82	
26 56 13 00-0191 EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,103.93	262.12
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-36.29	
For >20 To 40, Deduct	-66.79	
For >40, Deduct	-139.38	
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,165.90	285.95
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-38.06	
For >20 To 40, Deduct	-70.18	
For >40, Deduct	-146.29	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,397.22	381.26
For Galvanized Finish, Add	19.04	
For >10 To 20, Deduct	-44.45	
For >20 To 40, Deduct	-82.56	
For >40, Deduct	-171.46	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0194	EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	759.30 12.77 -25.37 -46.48 -97.22	166.81
26 56 13 00-0195	EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	833.36 13.56 -27.62 -50.71 -105.94	190.63
26 56 13 00-0196	EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	972.32 16.30 -32.46 -59.48 -124.40	214.46
26 56 13 00-0197	EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,034.28 16.73 -34.22 -62.87 -131.31	238.29
26 56 13 00-0198	EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,103.93 17.39 -36.29 -66.79 -139.38	262.12
26 56 13 00-0199	EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,165.90 17.82 -38.06 -70.18 -146.29	285.95
26 56 13 00-0200	EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,428.02 19.97 -45.68 -84.71 -176.08	381.26
26 56 13 00-0201	EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,580.53 21.68 -50.35 -93.48 -194.19	428.92
26 56 13 00-0202	EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,236.30 19.93 -40.87 -75.10 -156.85	285.95
26 56 13 00-0203	EA 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,442.32 20.39 -46.26 -85.71 -178.22	381.26
26 56 13 00-0204	EA 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,608.03 22.51 -51.45 -95.41 -198.31	428.92
26 56 13 00-0205	Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206	Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,484.90 27.39 -50.82 -92.51 -194.14	285.95
26 56 13 00-0208	EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,519.00 28.41 -52.18 -94.89 -199.26	285.95
26 56 13 00-0209	EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,784.42 30.66 -59.94 -109.66 -229.54	381.26
26 56 13 00-0210	EA 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,854.82 32.77 -62.76 -114.59 -240.10	381.26
26 56 13 00-0211	EA 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,989.73 33.96 -66.72 -122.12 -255.57	428.92



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0212 EA 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,107.43	428.92
For Galvanized Finish, Add	37.49	
For >10 To 20, Deduct	-71.43	
For >20 To 40, Deduct	-130.36	
For >40, Deduct	-273.22	
26 56 13 00-0213 EA 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,179.30	452.74
For Galvanized Finish, Add	38.21	
For >10 To 20, Deduct	-73.59	
For >20 To 40, Deduct	-134.44	
For >40, Deduct	-281.62	
26 56 13 00-0214 EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,251.90	452.74
For Galvanized Finish, Add	40.39	
For >10 To 20, Deduct	-76.49	
For >20 To 40, Deduct	-139.52	
For >40, Deduct	-292.51	
26 56 13 00-0215 EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,425.70	452.74
For Galvanized Finish, Add	45.61	
For >10 To 20, Deduct	-83.45	
For >20 To 40, Deduct	-151.69	
For >40, Deduct	-318.58	
26 56 13 00-0216 EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,460.15	476.58
For Galvanized Finish, Add	45.21	
For >10 To 20, Deduct	-84.11	
For >20 To 40, Deduct	-153.15	
For >40, Deduct	-321.37	
26 56 13 00-0217 EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,490.95	476.58
For Galvanized Finish, Add	46.13	
For >10 To 20, Deduct	-85.34	
For >20 To 40, Deduct	-155.30	
For >40, Deduct	-325.99	
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,369.80	619.55
For Galvanized Finish, Add	63.92	
For >10 To 20, Deduct	-116.21	
For >20 To 40, Deduct	-211.10	
For >40, Deduct	-443.52	
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,553.83	714.87
For Galvanized Finish, Add	63.72	
For >10 To 20, Deduct	-120.71	
For >20 To 40, Deduct	-220.17	
For >40, Deduct	-461.59	
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,332.22	381.26
For Galvanized Finish, Add	47.09	
For >10 To 20, Deduct	-81.85	
For >20 To 40, Deduct	-148.01	
For >40, Deduct	-311.71	
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,645.33	428.92
For Galvanized Finish, Add	53.63	
For >10 To 20, Deduct	-92.95	
For >20 To 40, Deduct	-168.02	
For >40, Deduct	-353.91	
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,053.05	476.58
For Galvanized Finish, Add	63.00	
For >10 To 20, Deduct	-107.82	
For >20 To 40, Deduct	-194.65	
For >40, Deduct	-410.30	
26 56 13 00-0223 EA 45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,713.00	619.55
For Galvanized Finish, Add	74.22	
For >10 To 20, Deduct	-129.93	
For >20 To 40, Deduct	-235.13	
For >40, Deduct	-495.00	
26 56 13 00-0224 EA 50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,328.23	714.87
For Galvanized Finish, Add	86.96	
For >10 To 20, Deduct	-151.68	
For >20 To 40, Deduct	-274.38	
For >40, Deduct	-577.75	
26 56 13 00-0225 EA 50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,775.93	714.87
For Galvanized Finish, Add	100.39	
For >10 To 20, Deduct	-169.59	
For >20 To 40, Deduct	-305.72	
For >40, Deduct	-644.90	
26 56 13 00-0226 EA 50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,271.93	714.87
For Galvanized Finish, Add	145.27	
For >10 To 20, Deduct	-229.43	
For >20 To 40, Deduct	-410.44	
For >40, Deduct	-869.30	
26 56 13 00-0227 EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,997.93	714.87
For Galvanized Finish, Add	167.05	
For >10 To 20, Deduct	-258.47	
For >20 To 40, Deduct	-461.26	
For >40, Deduct	-978.20	

26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0230 EA 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	721.90	166.81
For Galvanized Finish, Add	11.65	
For >10 To 20, Deduct	-23.87	
For >20 To 40, Deduct	-43.86	
For >40, Deduct	-91.61	
26 56 13 00-0231 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	769.56	190.63
For Galvanized Finish, Add	11.65	
For >10 To 20, Deduct	-25.06	
For >20 To 40, Deduct	-46.24	
For >40, Deduct	-96.37	
26 56 13 00-0232 EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	835.92	214.46
For Galvanized Finish, Add	12.21	
For >10 To 20, Deduct	-27.00	
For >20 To 40, Deduct	-49.94	
For >40, Deduct	-103.94	
26 56 13 00-0233 EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	886.14	226.38
For Galvanized Finish, Add	13.00	
For >10 To 20, Deduct	-28.65	
For >20 To 40, Deduct	-52.98	
For >40, Deduct	-110.28	
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	909.98	238.29
For Galvanized Finish, Add	13.00	
For >10 To 20, Deduct	-29.25	
For >20 To 40, Deduct	-54.17	
For >40, Deduct	-112.67	
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	969.73	262.12
For Galvanized Finish, Add	13.37	
For >10 To 20, Deduct	-30.93	
For >20 To 40, Deduct	-57.40	
For >40, Deduct	-119.25	
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,027.30	285.95
For Galvanized Finish, Add	13.66	
For >10 To 20, Deduct	-32.51	
For >20 To 40, Deduct	-60.47	
For >40, Deduct	-125.50	
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,283.92	381.26
For Galvanized Finish, Add	15.64	
For >10 To 20, Deduct	-39.92	
For >20 To 40, Deduct	-74.62	
For >40, Deduct	-154.46	
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,175.80	285.95
For Galvanized Finish, Add	18.12	
For >10 To 20, Deduct	-38.45	
For >20 To 40, Deduct	-70.87	
For >40, Deduct	-147.78	
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,488.52	381.26
For Galvanized Finish, Add	21.78	
For >10 To 20, Deduct	-48.10	
For >20 To 40, Deduct	-88.95	
For >40, Deduct	-185.15	
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,703.73	428.92
For Galvanized Finish, Add	25.38	
For >10 To 20, Deduct	-55.28	
For >20 To 40, Deduct	-102.10	
For >40, Deduct	-212.67	
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,135.10	285.95
For Galvanized Finish, Add	16.90	
For >10 To 20, Deduct	-36.83	
For >20 To 40, Deduct	-68.02	
For >40, Deduct	-141.67	
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,409.32	381.26
For Galvanized Finish, Add	19.40	
For >10 To 20, Deduct	-44.94	
For >20 To 40, Deduct	-83.40	
For >40, Deduct	-173.27	
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,635.53	428.92
For Galvanized Finish, Add	23.33	
For >10 To 20, Deduct	-52.55	
For >20 To 40, Deduct	-97.33	
For >40, Deduct	-202.44	
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,274.80	285.95
For Galvanized Finish, Add	21.09	
For >10 To 20, Deduct	-42.41	
For >20 To 40, Deduct	-77.80	
For >40, Deduct	-162.63	
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,587.52	381.26
For Galvanized Finish, Add	24.75	
For >10 To 20, Deduct	-52.06	
For >20 To 40, Deduct	-95.88	
For >40, Deduct	-200.00	
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,797.23	428.92
For Galvanized Finish, Add	28.18	
For >10 To 20, Deduct	-59.02	
For >20 To 40, Deduct	-108.65	
For >40, Deduct	-226.69	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,981.30 32.27 -65.67 -120.58 -251.92	452.74
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,013.93 34.68 -67.69 -123.82 -259.20	428.92
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,199.10 38.81 -74.38 -135.83 -284.59	452.74
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,324.85 41.15 -78.70 -143.68 -301.07	476.58
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)					
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)					
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,395.93 54.72 -87.26 -156.28 -330.79	285.95
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,710.57 58.44 -96.99 -174.49 -368.46	381.26
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,732.52 86.24 -136.43 -244.12 -516.99	428.92
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,440.39 56.05 -89.04 -159.39 -337.46	285.95
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,969.14 66.20 -107.33 -192.59 -407.25	381.26
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,117.45 97.79 -151.83 -271.06 -574.73	428.92
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,702.15 113.90 -174.50 -311.04 -660.05	452.74
26 56	13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,495.09 136.26 -205.51 -365.59 -776.61	476.58
26 56	13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,325.73 52.61 -84.45 -151.36 -320.26	285.95
26 56	13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,598.25 55.07 -92.49 -166.63 -351.61	381.26
26 56	13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,534.79 80.31 -128.52 -230.28 -487.33	428.92
26 56	13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,406.46 55.04 -87.68 -157.01 -332.37	285.95

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	2,863.84	381.26
			<i>For Galvanized Finish, Add</i>	63.04	
			<i>For >10 To 20, Deduct</i>	-103.12	
			<i>For >20 To 40, Deduct</i>	-185.22	
			<i>For >40, Deduct</i>	-391.45	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base.....	3,971.20	428.92
			<i>For Galvanized Finish, Add</i>	93.40	
			<i>For >10 To 20, Deduct</i>	-145.98	
			<i>For >20 To 40, Deduct</i>	-260.83	
			<i>For >40, Deduct</i>	-552.79	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	2,530.48	285.95
			<i>For Galvanized Finish, Add</i>	58.76	
			<i>For >10 To 20, Deduct</i>	-92.64	
			<i>For >20 To 40, Deduct</i>	-165.70	
			<i>For >40, Deduct</i>	-350.98	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,087.31	381.26
			<i>For Galvanized Finish, Add</i>	69.74	
			<i>For >10 To 20, Deduct</i>	-112.05	
			<i>For >20 To 40, Deduct</i>	-200.86	
			<i>For >40, Deduct</i>	-424.97	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,234.45	428.92
			<i>For Galvanized Finish, Add</i>	101.30	
			<i>For >10 To 20, Deduct</i>	-156.51	
			<i>For >20 To 40, Deduct</i>	-279.25	
			<i>For >40, Deduct</i>	-592.28	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,844.89	452.74
			<i>For Galvanized Finish, Add</i>	118.18	
			<i>For >10 To 20, Deduct</i>	-180.21	
			<i>For >20 To 40, Deduct</i>	-321.03	
			<i>For >40, Deduct</i>	-681.46	
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	5,571.14	476.58
			<i>For Galvanized Finish, Add</i>	138.54	
			<i>For >10 To 20, Deduct</i>	-208.55	
			<i>For >20 To 40, Deduct</i>	-370.92	
			<i>For >40, Deduct</i>	-788.01	
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	1,855.60	285.95
			<i>For Galvanized Finish, Add</i>	38.51	
			<i>For >10 To 20, Deduct</i>	-65.65	
			<i>For >20 To 40, Deduct</i>	-118.45	
			<i>For >40, Deduct</i>	-249.75	
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,272.82	381.26
			<i>For Galvanized Finish, Add</i>	45.31	
			<i>For >10 To 20, Deduct</i>	-79.48	
			<i>For >20 To 40, Deduct</i>	-143.85	
			<i>For >40, Deduct</i>	-302.80	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,532.03	428.92
			<i>For Galvanized Finish, Add</i>	50.23	
			<i>For >10 To 20, Deduct</i>	-88.41	
			<i>For >20 To 40, Deduct</i>	-160.09	
			<i>For >40, Deduct</i>	-336.91	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,796.40	452.74
			<i>For Galvanized Finish, Add</i>	56.73	
			<i>For >10 To 20, Deduct</i>	-98.27	
			<i>For >20 To 40, Deduct</i>	-177.64	
			<i>For >40, Deduct</i>	-374.19	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,947.45	476.58
			<i>For Galvanized Finish, Add</i>	59.83	
			<i>For >10 To 20, Deduct</i>	-103.60	
			<i>For >20 To 40, Deduct</i>	-187.26	
			<i>For >40, Deduct</i>	-394.46	
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,349.50	285.95
			<i>For Galvanized Finish, Add</i>	53.33	
			<i>For >10 To 20, Deduct</i>	-85.40	
			<i>For >20 To 40, Deduct</i>	-153.03	
			<i>For >40, Deduct</i>	-323.83	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,660.02	381.26
			<i>For Galvanized Finish, Add</i>	56.93	
			<i>For >10 To 20, Deduct</i>	-94.96	
			<i>For >20 To 40, Deduct</i>	-170.95	
			<i>For >40, Deduct</i>	-360.88	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,848.83	428.92
			<i>For Galvanized Finish, Add</i>	59.73	
			<i>For >10 To 20, Deduct</i>	-101.09	
			<i>For >20 To 40, Deduct</i>	-182.26	
			<i>For >40, Deduct</i>	-384.43	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,139.23	428.92
			<i>For Galvanized Finish, Add</i>	68.44	
			<i>For >10 To 20, Deduct</i>	-112.70	
			<i>For >20 To 40, Deduct</i>	-202.59	
			<i>For >40, Deduct</i>	-427.99	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,395.90	452.74
For Galvanized Finish, Add	74.71	
For >10 To 20, Deduct	-122.25	
For >20 To 40, Deduct	-219.60	
For >40, Deduct	-464.11	
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,755.60	452.74
For Galvanized Finish, Add	85.50	
For >10 To 20, Deduct	-136.64	
For >20 To 40, Deduct	-244.78	
For >40, Deduct	-518.07	
26 56 13 00-0285 EA 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,460.05	476.58
For Galvanized Finish, Add	75.21	
For >10 To 20, Deduct	-124.10	
For >20 To 40, Deduct	-223.14	
For >40, Deduct	-471.35	
26 56 13 00-0286 EA 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,345.55	476.58
For Galvanized Finish, Add	101.77	
For >10 To 20, Deduct	-159.52	
For >20 To 40, Deduct	-285.13	
For >40, Deduct	-604.18	
26 56 13 00-0287 EA 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,118.90	619.55
For Galvanized Finish, Add	86.39	
For >10 To 20, Deduct	-146.17	
For >20 To 40, Deduct	-263.54	
For >40, Deduct	-555.88	
26 56 13 00-0288 EA 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,722.80	619.55
For Galvanized Finish, Add	104.51	
For >10 To 20, Deduct	-170.33	
For >20 To 40, Deduct	-305.81	
For >40, Deduct	-646.47	
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,944.23	714.87
For Galvanized Finish, Add	105.44	
For >10 To 20, Deduct	-176.32	
For >20 To 40, Deduct	-317.50	
For >40, Deduct	-670.15	
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	39.00	
26 56 13 00-0292 EA Festoon Outlet Provision For Steel Area Light Poles	54.00	
Note: Excludes electrical outlet.		
26 56 13 00-0293 EA Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294 EA Vibration Dampener For Steel Area Light Poles	59.00	
26 56 13 00-0295 Aluminum Area Light Poles (26 56 13 00-0177)		
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0296)		
26 56 13 00-0298 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	714.95	142.97
For Bronze Or Satin Anodized Finish, Add	42.90	
For Black Anodized Finish, Add	85.80	
For >10 To 20, Deduct	-24.31	
For >20 To 40, Deduct	-44.33	
For >40, Deduct	-92.95	
26 56 13 00-0299 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	784.60	166.81
For Bronze Or Satin Anodized Finish, Add	45.10	
For Black Anodized Finish, Add	90.20	
For >10 To 20, Deduct	-26.38	
For >20 To 40, Deduct	-48.25	
For >40, Deduct	-101.01	
26 56 13 00-0300 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	859.76	190.63
For Bronze Or Satin Anodized Finish, Add	47.85	
For Black Anodized Finish, Add	95.70	
For >10 To 20, Deduct	-28.67	
For >20 To 40, Deduct	-52.56	
For >40, Deduct	-109.90	
26 56 13 00-0301 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	936.02	214.46
For Bronze Or Satin Anodized Finish, Add	50.71	
For Black Anodized Finish, Add	101.42	
For >10 To 20, Deduct	-31.01	
For >20 To 40, Deduct	-56.94	
For >40, Deduct	-118.96	
26 56 13 00-0302 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	978.54	226.38
For Bronze Or Satin Anodized Finish, Add	52.58	
For Black Anodized Finish, Add	105.16	
For >10 To 20, Deduct	-32.35	
For >20 To 40, Deduct	-59.44	
For >40, Deduct	-124.14	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0303 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,019.98	238.29
For Bronze Or Satin Anodized Finish, Add	54.34	
For Black Anodized Finish, Add	108.68	
For >10 To 20, Deduct	-33.65	
For >20 To 40, Deduct	-61.87	
For >40, Deduct	-129.17	
26 56 13 00-0304 EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,085.98	238.29
For Bronze Or Satin Anodized Finish, Add	60.94	
For Black Anodized Finish, Add	121.88	
For >10 To 20, Deduct	-36.29	
For >20 To 40, Deduct	-66.49	
For >40, Deduct	-139.07	
26 56 13 00-0305 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,175.43	262.12
For Bronze Or Satin Anodized Finish, Add	65.12	
For Black Anodized Finish, Add	130.24	
For >10 To 20, Deduct	-39.15	
For >20 To 40, Deduct	-71.80	
For >40, Deduct	-150.10	
26 56 13 00-0306 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,258.30	285.95
For Bronze Or Satin Anodized Finish, Add	68.64	
For Black Anodized Finish, Add	137.28	
For >10 To 20, Deduct	-41.75	
For >20 To 40, Deduct	-76.64	
For >40, Deduct	-160.15	
26 56 13 00-0307 EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,221.64	226.38
For Bronze Or Satin Anodized Finish, Add	76.89	
For Black Anodized Finish, Add	153.78	
For >10 To 20, Deduct	-42.07	
For >20 To 40, Deduct	-76.46	
For >40, Deduct	-160.61	
26 56 13 00-0308 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,501.40	285.95
For Bronze Or Satin Anodized Finish, Add	92.95	
For Black Anodized Finish, Add	185.90	
For >10 To 20, Deduct	-51.48	
For >20 To 40, Deduct	-93.66	
For >40, Deduct	-196.62	
26 56 13 00-0309 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,624.60	285.95
For Bronze Or Satin Anodized Finish, Add	105.27	
For Black Anodized Finish, Add	210.54	
For >10 To 20, Deduct	-56.41	
For >20 To 40, Deduct	-102.28	
For >40, Deduct	-215.10	
26 56 13 00-0310 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,930.72	381.26
For Bronze Or Satin Anodized Finish, Add	116.82	
For Black Anodized Finish, Add	233.64	
For >10 To 20, Deduct	-65.79	
For >20 To 40, Deduct	-119.90	
For >40, Deduct	-251.48	
26 56 13 00-0311 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,244.93	428.92
For Bronze Or Satin Anodized Finish, Add	138.71	
For Black Anodized Finish, Add	277.42	
For >10 To 20, Deduct	-76.93	
For >20 To 40, Deduct	-139.99	
For >40, Deduct	-293.85	
26 56 13 00-0312 EA 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,334.20	285.95
For Bronze Or Satin Anodized Finish, Add	76.23	
For Black Anodized Finish, Add	152.46	
For >10 To 20, Deduct	-44.79	
For >20 To 40, Deduct	-81.96	
For >40, Deduct	-171.54	
26 56 13 00-0313 EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,614.70	285.95
For Bronze Or Satin Anodized Finish, Add	104.28	
For Black Anodized Finish, Add	208.56	
For >10 To 20, Deduct	-56.01	
For >20 To 40, Deduct	-101.59	
For >40, Deduct	-213.61	
26 56 13 00-0314 EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,913.12	381.26
For Bronze Or Satin Anodized Finish, Add	115.06	
For Black Anodized Finish, Add	230.12	
For >10 To 20, Deduct	-65.09	
For >20 To 40, Deduct	-118.67	
For >40, Deduct	-248.84	
26 56 13 00-0315 EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,072.62	381.26
For Bronze Or Satin Anodized Finish, Add	131.01	
For Black Anodized Finish, Add	262.02	
For >10 To 20, Deduct	-71.47	
For >20 To 40, Deduct	-129.83	
For >40, Deduct	-272.77	
26 56 13 00-0316 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,425.33	428.92
For Bronze Or Satin Anodized Finish, Add	156.75	
For Black Anodized Finish, Add	313.50	
For >10 To 20, Deduct	-84.15	
For >20 To 40, Deduct	-152.62	
For >40, Deduct	-320.91	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0318 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	827.15	142.97
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	81.18	
<i>For >10 To 20, Deduct</i>	-28.80	
<i>For >20 To 40, Deduct</i>	-52.18	
<i>For >40, Deduct</i>	-109.78	
26 56 13 00-0319 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	918.80	166.81
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.78	
<i>For >10 To 20, Deduct</i>	-31.75	
<i>For >20 To 40, Deduct</i>	-57.64	
<i>For >40, Deduct</i>	-121.14	
26 56 13 00-0320 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,006.06	190.63
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	93.72	
<i>For >10 To 20, Deduct</i>	-34.52	
<i>For >20 To 40, Deduct</i>	-62.80	
<i>For >40, Deduct</i>	-131.85	
26 56 13 00-0321 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,072.42	214.46
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.53	
<i>For >10 To 20, Deduct</i>	-36.46	
<i>For >20 To 40, Deduct</i>	-66.49	
<i>For >40, Deduct</i>	-139.42	
26 56 13 00-0322 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,151.98	238.29
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.31	
<i>For >10 To 20, Deduct</i>	-38.93	
<i>For >20 To 40, Deduct</i>	-71.11	
<i>For >40, Deduct</i>	-148.97	
26 56 13 00-0323 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	941.90	166.81
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	91.25	
<i>For >10 To 20, Deduct</i>	-32.67	
<i>For >20 To 40, Deduct</i>	-59.26	
<i>For >40, Deduct</i>	-124.61	
26 56 13 00-0324 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,026.96	190.63
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.86	
<i>For >10 To 20, Deduct</i>	-35.36	
<i>For >20 To 40, Deduct</i>	-64.26	
<i>For >40, Deduct</i>	-134.98	
26 56 13 00-0325 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,115.32	214.46
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	102.96	
<i>For >10 To 20, Deduct</i>	-38.18	
<i>For >20 To 40, Deduct</i>	-69.49	
<i>For >40, Deduct</i>	-145.85	
26 56 13 00-0326 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,202.58	238.29
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.90	
<i>For >10 To 20, Deduct</i>	-40.95	
<i>For >20 To 40, Deduct</i>	-74.65	
<i>For >40, Deduct</i>	-156.56	
26 56 13 00-0327 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,295.33	262.12
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	115.67	
<i>For >10 To 20, Deduct</i>	-43.95	
<i>For >20 To 40, Deduct</i>	-80.19	
<i>For >40, Deduct</i>	-168.09	
26 56 13 00-0328 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,381.50	285.95
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	121.44	
<i>For >10 To 20, Deduct</i>	-46.68	
<i>For >20 To 40, Deduct</i>	-85.27	
<i>For >40, Deduct</i>	-178.63	
26 56 13 00-0329 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,069.86	190.63
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	103.29	
<i>For >10 To 20, Deduct</i>	-37.08	
<i>For >20 To 40, Deduct</i>	-67.27	
<i>For >40, Deduct</i>	-141.42	
26 56 13 00-0330 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,165.92	214.46
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	110.55	
<i>For >10 To 20, Deduct</i>	-40.20	
<i>For >20 To 40, Deduct</i>	-73.04	
<i>For >40, Deduct</i>	-153.44	
26 56 13 00-0331 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,260.88	238.29
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.65	
<i>For >10 To 20, Deduct</i>	-43.29	
<i>For >20 To 40, Deduct</i>	-78.73	
<i>For >40, Deduct</i>	-165.30	
26 56 13 00-0332 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,358.03	262.12
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	125.07	
<i>For >10 To 20, Deduct</i>	-46.46	
<i>For >20 To 40, Deduct</i>	-84.58	
<i>For >40, Deduct</i>	-177.49	
26 56 13 00-0333 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,322.48	238.29
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.89	
<i>For >10 To 20, Deduct</i>	-45.75	
<i>For >20 To 40, Deduct</i>	-83.04	
<i>For >40, Deduct</i>	-174.54	
26 56 13 00-0334 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,525.60	285.95
<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	143.06	
<i>For >10 To 20, Deduct</i>	-52.45	
<i>For >20 To 40, Deduct</i>	-95.35	
<i>For >40, Deduct</i>	-200.25	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0335	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,110.56 109.40 -38.70 -70.11 -147.52	190.63
26 56 13 00-0336	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,218.72 118.47 -42.32 -76.73 -161.36	214.46
26 56 13 00-0337	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,315.88 125.90 -45.49 -82.58 -173.55	238.29
26 56 13 00-0338	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,419.63 134.31 -48.92 -88.89 -186.73	262.12
26 56 13 00-0339	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,520.10 142.23 -52.23 -94.97 -199.42	285.95
26 56 13 00-0340	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,396.18 137.94 -48.70 -88.20 -185.60	238.29
26 56 13 00-0341	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,509.83 147.84 -52.53 -95.20 -200.26	262.12
26 56 13 00-0342	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,554.20 147.35 -53.59 -97.36 -204.54	285.95
26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small>					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0344	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	643.09 40.48 80.96 -22.15 -40.25 -84.55	119.14
26 56 13 00-0345	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	687.82 42.57 85.14 -23.58 -42.91 -90.07	131.06
26 56 13 00-0346	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	761.15 47.52 95.04 -26.16 -47.56 -99.88	142.97
26 56 13 00-0347	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	786.45 50.05 100.10 -27.17 -49.33 -103.67	142.97
26 56 13 00-0348	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	818.35 53.24 106.48 -28.44 -51.57 -108.46	142.97
26 56 13 00-0349	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	938.97 62.92 125.84 -32.91 -59.53 -125.36	154.89
26 56 13 00-0350	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,003.50 66.99 133.98 -35.14 -63.57 -133.85	166.81



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0351	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,174.00 84.04 168.08 -41.96 -75.51 -159.42	166.81
26 56 13 00-0352	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,440.56 105.93 211.86 -51.90 -93.21 -197.02	190.63
26 56 13 00-0353	EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,635.62 120.67 241.34 -58.99 -105.92 -223.90	214.46
26 56 13 00-0354	EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,836.92 140.80 281.60 -67.04 -120.01 -254.09	214.46
26 56 13 00-0355	Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356	Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	597.25 31.13 62.26 -19.60 -36.09 -75.29	142.97
26 56 13 00-0358	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	670.20 33.66 67.32 -21.80 -40.24 -83.85	166.81
26 56 13 00-0359	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	743.16 36.19 72.38 -24.01 -44.40 -92.41	190.63
26 56 13 00-0360	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	826.02 39.71 79.42 -26.61 -49.24 -102.46	214.46
26 56 13 00-0361	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	907.78 43.12 86.24 -29.16 -54.01 -112.34	238.29
26 56 13 00-0362	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	698.80 36.52 73.04 -22.95 -42.24 -88.14	166.81
26 56 13 00-0363	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	788.26 40.70 81.40 -25.81 -47.55 -99.18	190.63
26 56 13 00-0364	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	874.42 44.55 89.10 -28.54 -52.63 -109.72	214.46
26 56 13 00-0365	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,039.03 51.48 102.96 -33.70 -62.25 -129.64	262.12

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,114.20	285.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.23	
			<i>For Black Anodized Finish, Add</i>	108.46	
			<i>For >10 To 20, Deduct</i>	-35.99	
			<i>For >20 To 40, Deduct</i>	-66.56	
			<i>For >40, Deduct</i>	-138.54	
26 56 13 00-0367	EA	12'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	828.96	190.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.77	
			<i>For Black Anodized Finish, Add</i>	89.54	
			<i>For >10 To 20, Deduct</i>	-27.44	
			<i>For >20 To 40, Deduct</i>	-50.40	
			<i>For >40, Deduct</i>	-105.28	
26 56 13 00-0368	EA	14'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	921.72	214.46
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.28	
			<i>For Black Anodized Finish, Add</i>	98.56	
			<i>For >10 To 20, Deduct</i>	-30.44	
			<i>For >20 To 40, Deduct</i>	-55.94	
			<i>For >40, Deduct</i>	-116.81	
26 56 13 00-0369	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,022.18	238.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.56	
			<i>For Black Anodized Finish, Add</i>	109.12	
			<i>For >10 To 20, Deduct</i>	-33.74	
			<i>For >20 To 40, Deduct</i>	-62.02	
			<i>For >40, Deduct</i>	-129.50	
26 56 13 00-0370	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,102.83	262.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.86	
			<i>For Black Anodized Finish, Add</i>	115.72	
			<i>For >10 To 20, Deduct</i>	-36.25	
			<i>For >20 To 40, Deduct</i>	-66.71	
			<i>For >40, Deduct</i>	-139.21	
26 56 13 00-0371	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,198.90	285.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.70	
			<i>For Black Anodized Finish, Add</i>	125.40	
			<i>For >10 To 20, Deduct</i>	-39.38	
			<i>For >20 To 40, Deduct</i>	-72.49	
			<i>For >40, Deduct</i>	-151.24	
26 56 13 00-0372	EA	16'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,129.98	238.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.34	
			<i>For Black Anodized Finish, Add</i>	130.68	
			<i>For >10 To 20, Deduct</i>	-38.05	
			<i>For >20 To 40, Deduct</i>	-69.57	
			<i>For >40, Deduct</i>	-145.67	
26 56 13 00-0373	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,240.33	262.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	71.61	
			<i>For Black Anodized Finish, Add</i>	143.22	
			<i>For >10 To 20, Deduct</i>	-41.75	
			<i>For >20 To 40, Deduct</i>	-76.34	
			<i>For >40, Deduct</i>	-159.84	
26 56 13 00-0374	EA	20'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,305.60	285.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.37	
			<i>For Black Anodized Finish, Add</i>	146.74	
			<i>For >10 To 20, Deduct</i>	-43.65	
			<i>For >20 To 40, Deduct</i>	-79.95	
			<i>For >40, Deduct</i>	-167.25	
26 56 13 00-0375	EA	23'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,498.80	333.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	83.16	
			<i>For Black Anodized Finish, Add</i>	166.32	
			<i>For >10 To 20, Deduct</i>	-49.94	
			<i>For >20 To 40, Deduct</i>	-91.57	
			<i>For >40, Deduct</i>	-191.46	
26 56 13 00-0376	EA	25'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,698.62	381.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	93.61	
			<i>For Black Anodized Finish, Add</i>	187.22	
			<i>For >10 To 20, Deduct</i>	-56.51	
			<i>For >20 To 40, Deduct</i>	-103.65	
			<i>For >40, Deduct</i>	-216.67	
26 56 13 00-0377	EA	18'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,348.13	262.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.39	
			<i>For Black Anodized Finish, Add</i>	164.78	
			<i>For >10 To 20, Deduct</i>	-46.06	
			<i>For >20 To 40, Deduct</i>	-83.88	
			<i>For >40, Deduct</i>	-176.01	
26 56 13 00-0378	EA	20'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,436.50	285.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.46	
			<i>For Black Anodized Finish, Add</i>	172.92	
			<i>For >10 To 20, Deduct</i>	-48.88	
			<i>For >20 To 40, Deduct</i>	-89.12	
			<i>For >40, Deduct</i>	-186.88	
26 56 13 00-0379	EA	23'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,602.20	333.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	93.50	
			<i>For Black Anodized Finish, Add</i>	187.00	
			<i>For >10 To 20, Deduct</i>	-54.08	
			<i>For >20 To 40, Deduct</i>	-98.81	
			<i>For >40, Deduct</i>	-206.97	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0380 EA 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,777.82 101.53 203.06 -59.68 -109.20 -228.55	381.26
26 56 13 00-0381 EA 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,914.58 110.44 220.88 -64.43 -117.82 -246.68	405.09
26 56 13 00-0382 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,053.53 119.57 239.14 -69.27 -126.59 -265.14	428.92
26 56 13 00-0383 EA 23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,704.50 103.73 207.46 -58.17 -105.97 -222.32	333.60
26 56 13 00-0384 EA 25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,846.02 108.35 216.70 -62.40 -113.97 -238.78	381.26
26 56 13 00-0385 EA 28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,988.28 117.81 235.62 -67.38 -122.98 -257.73	405.09
26 56 13 00-0386 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,167.93 131.01 262.02 -73.85 -134.60 -282.30	428.92
26 56 13 00-0387 EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,241.26 135.96 271.92 -76.43 -139.26 -292.11	440.84
26 56 13 00-0388 EA 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,398.20 149.27 298.54 -82.35 -149.76 -314.46	452.74
26 56 13 00-0389 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	874.06 49.28 98.56 -29.24 -53.56 -112.05	190.63
26 56 13 00-0390 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	974.52 54.56 109.12 -32.55 -59.64 -124.73	214.46
26 56 13 00-0391 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,079.38 60.28 120.56 -36.03 -66.03 -138.08	238.29
26 56 13 00-0392 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,172.13 64.79 129.58 -39.02 -71.56 -149.61	262.12
26 56 13 00-0393 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,263.80 69.19 138.38 -41.97 -77.03 -160.98	285.95

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,199.28	238.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	72.27	
			<i>For Black Anodized Finish, Add</i>	144.54	
			<i>For >10 To 20, Deduct</i>	-40.82	
			<i>For >20 To 40, Deduct</i>	-74.42	
			<i>For >40, Deduct</i>	-156.06	
26 56	13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,312.93	262.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	78.87	
			<i>For Black Anodized Finish, Add</i>	157.74	
			<i>For >10 To 20, Deduct</i>	-44.65	
			<i>For >20 To 40, Deduct</i>	-81.42	
			<i>For >40, Deduct</i>	-170.73	
26 56	13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,392.50	285.95
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.06	
			<i>For Black Anodized Finish, Add</i>	164.12	
			<i>For >10 To 20, Deduct</i>	-47.12	
			<i>For >20 To 40, Deduct</i>	-86.04	
			<i>For >40, Deduct</i>	-180.28	
26 56	13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,580.20	333.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.30	
			<i>For Black Anodized Finish, Add</i>	182.60	
			<i>For >10 To 20, Deduct</i>	-53.20	
			<i>For >20 To 40, Deduct</i>	-97.27	
			<i>For >40, Deduct</i>	-203.67	
26 56	13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,774.52	381.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	101.20	
			<i>For Black Anodized Finish, Add</i>	202.40	
			<i>For >10 To 20, Deduct</i>	-59.54	
			<i>For >20 To 40, Deduct</i>	-108.97	
			<i>For >40, Deduct</i>	-228.05	
26 56	13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,828.80	333.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.16	
			<i>For Black Anodized Finish, Add</i>	232.32	
			<i>For >10 To 20, Deduct</i>	-63.14	
			<i>For >20 To 40, Deduct</i>	-114.67	
			<i>For >40, Deduct</i>	-240.96	
26 56	13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,011.02	381.26
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.85	
			<i>For Black Anodized Finish, Add</i>	249.70	
			<i>For >10 To 20, Deduct</i>	-69.00	
			<i>For >20 To 40, Deduct</i>	-125.52	
			<i>For >40, Deduct</i>	-263.53	
26 56	13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,166.48	405.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.63	
			<i>For Black Anodized Finish, Add</i>	271.26	
			<i>For >10 To 20, Deduct</i>	-74.51	
			<i>For >20 To 40, Deduct</i>	-135.45	
			<i>For >40, Deduct</i>	-284.46	
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,303.23	428.92
			<i>For Bronze Or Satin Anodized Finish, Add</i>	144.54	
			<i>For Black Anodized Finish, Add</i>	289.08	
			<i>For >10 To 20, Deduct</i>	-79.26	
			<i>For >20 To 40, Deduct</i>	-144.07	
			<i>For >40, Deduct</i>	-302.59	
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,433.76	440.84
			<i>For Bronze Or Satin Anodized Finish, Add</i>	155.21	
			<i>For Black Anodized Finish, Add</i>	310.42	
			<i>For >10 To 20, Deduct</i>	-84.13	
			<i>For >20 To 40, Deduct</i>	-152.73	
			<i>For >40, Deduct</i>	-320.98	
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,546.70	452.74
			<i>For Bronze Or Satin Anodized Finish, Add</i>	164.12	
			<i>For Black Anodized Finish, Add</i>	328.24	
			<i>For >10 To 20, Deduct</i>	-88.29	
			<i>For >20 To 40, Deduct</i>	-160.16	
			<i>For >40, Deduct</i>	-336.73	
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,642.02	464.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	171.27	
			<i>For Black Anodized Finish, Add</i>	342.54	
			<i>For >10 To 20, Deduct</i>	-91.74	
			<i>For >20 To 40, Deduct</i>	-166.36	
			<i>For >40, Deduct</i>	-349.84	
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,819.85	476.58
			<i>For Bronze Or Satin Anodized Finish, Add</i>	186.67	
			<i>For Black Anodized Finish, Add</i>	373.34	
			<i>For >10 To 20, Deduct</i>	-98.50	
			<i>For >20 To 40, Deduct</i>	-178.33	
			<i>For >40, Deduct</i>	-375.32	
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,641.68	405.09
			<i>For Bronze Or Satin Anodized Finish, Add</i>	183.15	
			<i>For Black Anodized Finish, Add</i>	366.30	
			<i>For >10 To 20, Deduct</i>	-93.51	
			<i>For >20 To 40, Deduct</i>	-168.71	
			<i>For >40, Deduct</i>	-355.74	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0408 EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,853.23 199.54 399.08 -101.26 -182.57 -385.09	428.92
26 56 13 00-0409 EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,005.76 212.41 424.82 -107.01 -192.77 -406.78	440.84
26 56 13 00-0410 EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,119.80 221.43 442.86 -111.21 -200.28 -422.70	452.74
26 56 13 00-0411 EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,179.92 225.06 450.12 -113.26 -204.01 -430.52	464.66
26 56 13 00-0412 EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,376.45 242.33 484.66 -120.76 -217.29 -458.81	476.58
26 56 13 00-0413 EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,490.98 168.08 336.16 -87.49 -158.17 -333.14	405.09
26 56 13 00-0414 EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,682.73 182.49 364.98 -94.44 -170.63 -359.52	428.92
26 56 13 00-0415 EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,756.06 187.44 374.88 -97.02 -175.29 -369.33	440.84
26 56 13 00-0416 EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,955.90 205.04 410.08 -104.65 -188.80 -398.11	452.74
26 56 13 00-0417 EA 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,050.12 212.08 424.16 -108.07 -194.92 -411.05	464.66
26 56 13 00-0418 EA 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,247.75 229.46 458.92 -115.61 -208.28 -439.51	476.58
26 56 13 00-0419 EA 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,179.58 236.94 473.88 -115.03 -206.37 -436.43	405.09
26 56 13 00-0420 EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,361.43 250.36 500.72 -121.59 -218.14 -461.32	428.92
26 56 13 00-0421 EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,516.16 263.45 526.90 -127.42 -228.50 -483.34	440.84

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0422	EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,760.00	452.74
	<i>For Bronze Or Satin Anodized Finish, Add</i>	285.45	
	<i>For Black Anodized Finish, Add</i>	570.90	
	<i>For >10 To 20, Deduct</i>	-136.82	
	<i>For >20 To 40, Deduct</i>	-245.09	
	<i>For >40, Deduct</i>	-518.73	
26 56 13 00-0423	EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,808.02	464.66
	<i>For Bronze Or Satin Anodized Finish, Add</i>	287.87	
	<i>For Black Anodized Finish, Add</i>	575.74	
	<i>For >10 To 20, Deduct</i>	-138.38	
	<i>For >20 To 40, Deduct</i>	-247.98	
	<i>For >40, Deduct</i>	-524.74	
26 56 13 00-0424	EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	4,050.75	476.58
	<i>For Bronze Or Satin Anodized Finish, Add</i>	309.76	
	<i>For Black Anodized Finish, Add</i>	619.52	
	<i>For >10 To 20, Deduct</i>	-147.73	
	<i>For >20 To 40, Deduct</i>	-264.49	
	<i>For >40, Deduct</i>	-559.96	
26 56 13 00-0425	EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,036.63	714.87
	<i>For Bronze Or Satin Anodized Finish, Add</i>	360.69	
	<i>For Black Anodized Finish, Add</i>	721.38	
	<i>For >10 To 20, Deduct</i>	-180.02	
	<i>For >20 To 40, Deduct</i>	-323.97	
	<i>For >40, Deduct</i>	-684.01	
26 56 13 00-0426	EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,173.03	714.87
	<i>For Bronze Or Satin Anodized Finish, Add</i>	374.33	
	<i>For Black Anodized Finish, Add</i>	748.66	
	<i>For >10 To 20, Deduct</i>	-185.48	
	<i>For >20 To 40, Deduct</i>	-333.52	
	<i>For >40, Deduct</i>	-704.47	
26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0355)			
26 56 13 00-0428	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	833.75	142.97
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	82.17	
	<i>For >10 To 20, Deduct</i>	-29.06	
	<i>For >20 To 40, Deduct</i>	-52.64	
	<i>For >40, Deduct</i>	-110.77	
26 56 13 00-0429	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	904.50	166.81
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	85.64	
	<i>For >10 To 20, Deduct</i>	-31.18	
	<i>For >20 To 40, Deduct</i>	-56.64	
	<i>For >40, Deduct</i>	-119.00	
26 56 13 00-0430	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	976.36	190.63
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	89.27	
	<i>For >10 To 20, Deduct</i>	-33.34	
	<i>For >20 To 40, Deduct</i>	-60.72	
	<i>For >40, Deduct</i>	-127.39	
26 56 13 00-0431	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,050.42	214.46
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	93.23	
	<i>For >10 To 20, Deduct</i>	-35.58	
	<i>For >20 To 40, Deduct</i>	-64.95	
	<i>For >40, Deduct</i>	-136.12	
26 56 13 00-0432	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,123.38	238.29
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	97.02	
	<i>For >10 To 20, Deduct</i>	-37.79	
	<i>For >20 To 40, Deduct</i>	-69.11	
	<i>For >40, Deduct</i>	-144.68	
26 56 13 00-0433	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	917.70	166.81
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.62	
	<i>For >10 To 20, Deduct</i>	-31.70	
	<i>For >20 To 40, Deduct</i>	-57.57	
	<i>For >40, Deduct</i>	-120.98	
26 56 13 00-0434	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	991.76	190.63
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	91.58	
	<i>For >10 To 20, Deduct</i>	-33.95	
	<i>For >20 To 40, Deduct</i>	-61.80	
	<i>For >40, Deduct</i>	-129.70	
26 56 13 00-0435	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,068.02	214.46
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.87	
	<i>For >10 To 20, Deduct</i>	-36.29	
	<i>For >20 To 40, Deduct</i>	-66.18	
	<i>For >40, Deduct</i>	-138.76	
26 56 13 00-0436	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,143.18	238.29
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	99.99	
	<i>For >10 To 20, Deduct</i>	-38.58	
	<i>For >20 To 40, Deduct</i>	-70.49	
	<i>For >40, Deduct</i>	-147.65	
26 56 13 00-0437	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,232.63	262.12
	<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	106.26	
	<i>For >10 To 20, Deduct</i>	-41.44	
	<i>For >20 To 40, Deduct</i>	-75.80	
	<i>For >40, Deduct</i>	-158.68	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0438 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,312.20 111.05 -43.91 -80.42 -168.24	285.95
26 56 13 00-0439 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,034.66 98.01 -35.67 -64.80 -136.14	190.63
26 56 13 00-0440 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,116.42 103.13 -38.22 -69.57 -146.02	214.46
26 56 13 00-0441 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,211.38 110.22 -41.31 -75.27 -157.88	238.29
26 56 13 00-0442 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,295.33 115.67 -43.95 -80.19 -168.09	262.12
26 56 13 00-0443 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,393.60 123.26 -47.17 -86.11 -180.45	285.95
26 56 13 00-0444 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,274.08 119.63 -43.81 -79.65 -167.28	238.29
26 56 13 00-0445 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,380.03 128.37 -47.34 -86.12 -180.79	262.12
26 56 13 00-0446 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,461.80 133.49 -49.89 -90.89 -190.68	285.95
26 56 13 00-0447 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,068.76 103.13 -37.03 -67.19 -141.25	190.63
26 56 13 00-0448 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,168.12 110.88 -40.29 -73.19 -153.77	214.46
26 56 13 00-0449 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,274.08 119.63 -43.81 -79.65 -167.28	238.29
26 56 13 00-0450 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,366.83 126.39 -46.81 -85.19 -178.81	262.12
26 56 13 00-0451 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,467.30 134.31 -50.11 -91.27 -191.50	285.95
26 56 13 00-0452 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,345.58 130.35 -46.67 -84.66 -178.01	238.29
26 56 13 00-0453 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,460.33 140.42 -50.55 -91.74 -192.84	262.12
26 56 13 00-0454 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,547.60 146.36 -53.33 -96.89 -203.55	285.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0455			Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0456	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	563.89	119.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	32.56	
			<i>For Black Anodized Finish, Add</i>	65.12	
			<i>For >10 To 20, Deduct</i>	-18.98	
			<i>For >20 To 40, Deduct</i>	-34.71	
			<i>For >40, Deduct</i>	-72.67	
26 56 13 00-0457	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	594.69	119.14
			<i>For Bronze Or Satin Anodized Finish, Add</i>	35.64	
			<i>For Black Anodized Finish, Add</i>	71.28	
			<i>For >10 To 20, Deduct</i>	-20.21	
			<i>For >20 To 40, Deduct</i>	-36.86	
			<i>For >40, Deduct</i>	-77.29	
26 56 13 00-0458	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	643.82	131.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.17	
			<i>For Black Anodized Finish, Add</i>	76.34	
			<i>For >10 To 20, Deduct</i>	-21.82	
			<i>For >20 To 40, Deduct</i>	-39.83	
			<i>For >40, Deduct</i>	-83.47	
26 56 13 00-0459	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	685.25	142.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.93	
			<i>For Black Anodized Finish, Add</i>	79.86	
			<i>For >10 To 20, Deduct</i>	-23.12	
			<i>For >20 To 40, Deduct</i>	-42.25	
			<i>For >40, Deduct</i>	-88.49	
26 56 13 00-0460	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	724.85	142.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.89	
			<i>For Black Anodized Finish, Add</i>	87.78	
			<i>For >10 To 20, Deduct</i>	-24.70	
			<i>For >20 To 40, Deduct</i>	-45.02	
			<i>For >40, Deduct</i>	-94.43	
26 56 13 00-0461	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	673.52	131.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.14	
			<i>For Black Anodized Finish, Add</i>	82.28	
			<i>For >10 To 20, Deduct</i>	-23.01	
			<i>For >20 To 40, Deduct</i>	-41.90	
			<i>For >40, Deduct</i>	-87.92	
26 56 13 00-0462	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	728.15	142.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.22	
			<i>For Black Anodized Finish, Add</i>	88.44	
			<i>For >10 To 20, Deduct</i>	-24.84	
			<i>For >20 To 40, Deduct</i>	-45.25	
			<i>For >40, Deduct</i>	-94.93	
26 56 13 00-0463	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	750.15	142.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.42	
			<i>For Black Anodized Finish, Add</i>	92.84	
			<i>For >10 To 20, Deduct</i>	-25.72	
			<i>For >20 To 40, Deduct</i>	-46.79	
			<i>For >40, Deduct</i>	-98.23	
26 56 13 00-0464	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	809.17	154.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.94	
			<i>For Black Anodized Finish, Add</i>	99.88	
			<i>For >10 To 20, Deduct</i>	-27.72	
			<i>For >20 To 40, Deduct</i>	-50.45	
			<i>For >40, Deduct</i>	-105.89	
26 56 13 00-0465	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	863.80	166.81
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.02	
			<i>For Black Anodized Finish, Add</i>	106.04	
			<i>For >10 To 20, Deduct</i>	-29.55	
			<i>For >20 To 40, Deduct</i>	-53.79	
			<i>For >40, Deduct</i>	-112.89	
26 56 13 00-0466	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	813.95	142.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.80	
			<i>For Black Anodized Finish, Add</i>	105.60	
			<i>For >10 To 20, Deduct</i>	-28.27	
			<i>For >20 To 40, Deduct</i>	-51.26	
			<i>For >40, Deduct</i>	-107.80	
26 56 13 00-0467	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	879.57	154.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.98	
			<i>For Black Anodized Finish, Add</i>	113.96	
			<i>For >10 To 20, Deduct</i>	-30.54	
			<i>For >20 To 40, Deduct</i>	-55.37	
			<i>For >40, Deduct</i>	-116.45	
26 56 13 00-0468	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	939.70	166.81
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.61	
			<i>For Black Anodized Finish, Add</i>	121.22	
			<i>For >10 To 20, Deduct</i>	-32.58	
			<i>For >20 To 40, Deduct</i>	-59.11	
			<i>For >40, Deduct</i>	-124.28	
26 56 13 00-0469	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	969.77	154.89
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.00	
			<i>For Black Anodized Finish, Add</i>	132.00	
			<i>For >10 To 20, Deduct</i>	-34.14	
			<i>For >20 To 40, Deduct</i>	-61.69	
			<i>For >40, Deduct</i>	-129.98	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0470 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,246.96	190.63
For Bronze Or Satin Anodized Finish, Add	86.57	
For Black Anodized Finish, Add	173.14	
For >10 To 20, Deduct	-44.16	
For >20 To 40, Deduct	-79.66	
For >40, Deduct	-167.98	
26 56 13 00-0471 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,371.26	190.63
For Bronze Or Satin Anodized Finish, Add	99.00	
For Black Anodized Finish, Add	198.00	
For >10 To 20, Deduct	-49.13	
For >20 To 40, Deduct	-88.36	
For >40, Deduct	-186.63	
26 56 13 00-0472 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,525.62	214.46
For Bronze Or Satin Anodized Finish, Add	109.67	
For Black Anodized Finish, Add	219.34	
For >10 To 20, Deduct	-54.59	
For >20 To 40, Deduct	-98.22	
For >40, Deduct	-207.40	
26 56 13 00-0473 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,660.92	214.46
For Bronze Or Satin Anodized Finish, Add	123.20	
For Black Anodized Finish, Add	246.40	
For >10 To 20, Deduct	-60.00	
For >20 To 40, Deduct	-107.69	
For >40, Deduct	-227.69	
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0474)</small>		
26 56 13 00-0476 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	740.25	142.97
For Bronze Or Satin Anodized Finish, Add	45.43	
For Black Anodized Finish, Add	90.86	
For >10 To 20, Deduct	-25.32	
For >20 To 40, Deduct	-46.10	
For >40, Deduct	-96.74	
26 56 13 00-0477 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	811.00	166.81
For Bronze Or Satin Anodized Finish, Add	47.74	
For Black Anodized Finish, Add	95.48	
For >10 To 20, Deduct	-27.44	
For >20 To 40, Deduct	-50.10	
For >40, Deduct	-104.97	
26 56 13 00-0478 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	890.56	190.63
For Bronze Or Satin Anodized Finish, Add	50.93	
For Black Anodized Finish, Add	101.86	
For >10 To 20, Deduct	-29.90	
For >20 To 40, Deduct	-54.71	
For >40, Deduct	-114.52	
26 56 13 00-0479 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	969.02	214.46
For Bronze Or Satin Anodized Finish, Add	54.01	
For Black Anodized Finish, Add	108.02	
For >10 To 20, Deduct	-32.33	
For >20 To 40, Deduct	-59.25	
For >40, Deduct	-123.91	
26 56 13 00-0480 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,012.64	226.38
For Bronze Or Satin Anodized Finish, Add	55.99	
For Black Anodized Finish, Add	111.98	
For >10 To 20, Deduct	-33.71	
For >20 To 40, Deduct	-61.83	
For >40, Deduct	-129.26	
26 56 13 00-0481 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,056.28	238.29
For Bronze Or Satin Anodized Finish, Add	57.97	
For Black Anodized Finish, Add	115.94	
For >10 To 20, Deduct	-35.10	
For >20 To 40, Deduct	-64.41	
For >40, Deduct	-134.61	
26 56 13 00-0482 EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,141.33	262.12
For Bronze Or Satin Anodized Finish, Add	61.71	
For Black Anodized Finish, Add	123.42	
For >10 To 20, Deduct	-37.79	
For >20 To 40, Deduct	-69.41	
For >40, Deduct	-144.99	
26 56 13 00-0483 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,236.30	285.95
For Bronze Or Satin Anodized Finish, Add	66.44	
For Black Anodized Finish, Add	132.88	
For >10 To 20, Deduct	-40.87	
For >20 To 40, Deduct	-75.10	
For >40, Deduct	-156.85	
26 56 13 00-0484 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,132.18	238.29
For Bronze Or Satin Anodized Finish, Add	65.56	
For Black Anodized Finish, Add	131.12	
For >10 To 20, Deduct	-38.14	
For >20 To 40, Deduct	-69.72	
For >40, Deduct	-146.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0485 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,219.43	262.12
For Bronze Or Satin Anodized Finish, Add	69.52	
For Black Anodized Finish, Add	139.04	
For >10 To 20, Deduct	-40.91	
For >20 To 40, Deduct	-74.88	
For >40, Deduct	-156.70	
26 56 13 00-0486 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,321.00	285.95
For Bronze Or Satin Anodized Finish, Add	74.91	
For Black Anodized Finish, Add	149.82	
For >10 To 20, Deduct	-44.26	
For >20 To 40, Deduct	-81.03	
For >40, Deduct	-169.56	
26 56 13 00-0487 EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,342.64	226.38
For Bronze Or Satin Anodized Finish, Add	88.99	
For Black Anodized Finish, Add	177.98	
For >10 To 20, Deduct	-46.91	
For >20 To 40, Deduct	-84.93	
For >40, Deduct	-178.76	
26 56 13 00-0488 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,636.70	285.95
For Bronze Or Satin Anodized Finish, Add	106.48	
For Black Anodized Finish, Add	212.96	
For >10 To 20, Deduct	-56.89	
For >20 To 40, Deduct	-103.13	
For >40, Deduct	-216.91	
26 56 13 00-0489 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,964.82	381.26
For Bronze Or Satin Anodized Finish, Add	120.23	
For Black Anodized Finish, Add	240.46	
For >10 To 20, Deduct	-67.16	
For >20 To 40, Deduct	-122.29	
For >40, Deduct	-256.60	
26 56 13 00-0490 EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,389.20	285.95
For Bronze Or Satin Anodized Finish, Add	81.73	
For Black Anodized Finish, Add	163.46	
For >10 To 20, Deduct	-46.99	
For >20 To 40, Deduct	-85.81	
For >40, Deduct	-179.79	
26 56 13 00-0491 EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,769.80	285.95
For Bronze Or Satin Anodized Finish, Add	119.79	
For Black Anodized Finish, Add	239.58	
For >10 To 20, Deduct	-62.21	
For >20 To 40, Deduct	-112.45	
For >40, Deduct	-236.88	
26 56 13 00-0492 EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,085.82	381.26
For Bronze Or Satin Anodized Finish, Add	132.33	
For Black Anodized Finish, Add	264.66	
For >10 To 20, Deduct	-72.00	
For >20 To 40, Deduct	-130.76	
For >40, Deduct	-274.75	
26 56 13 00-0493 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	1,978.80	285.95
For Bronze Or Satin Anodized Finish, Add	140.69	
For Black Anodized Finish, Add	281.38	
For >10 To 20, Deduct	-70.57	
For >20 To 40, Deduct	-127.08	
For >40, Deduct	-268.23	
26 56 13 00-0494 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,358.62	381.26
For Bronze Or Satin Anodized Finish, Add	159.61	
For Black Anodized Finish, Add	319.22	
For >10 To 20, Deduct	-82.91	
For >20 To 40, Deduct	-149.85	
For >40, Deduct	-315.67	
26 56 13 00-0495 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,737.73	428.92
For Bronze Or Satin Anodized Finish, Add	187.99	
For Black Anodized Finish, Add	375.98	
For >10 To 20, Deduct	-96.64	
For >20 To 40, Deduct	-174.48	
For >40, Deduct	-367.77	
26 56 13 00-0496 Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0497 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	671.69	119.14
For Bronze Or Satin Anodized Finish, Add	43.34	
For Black Anodized Finish, Add	86.68	
For >10 To 20, Deduct	-23.29	
For >20 To 40, Deduct	-42.25	
For >40, Deduct	-88.84	
26 56 13 00-0498 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	751.62	131.06
For Bronze Or Satin Anodized Finish, Add	48.95	
For Black Anodized Finish, Add	97.90	
For >10 To 20, Deduct	-26.13	
For >20 To 40, Deduct	-47.37	
For >40, Deduct	-99.64	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0499	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....798.55 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	51.26 102.52 -27.65 -50.18 -105.49	142.97
26 56 13 00-0500	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....826.05 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	54.01 108.02 -28.75 -52.10 -109.61	142.97
26 56 13 00-0501	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....860.15 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	57.42 114.84 -30.12 -54.49 -114.73	142.97
26 56 13 00-0502	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....1,000.57 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	69.08 138.16 -35.38 -63.84 -134.60	154.89
26 56 13 00-0503	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....1,071.70 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	73.81 147.62 -37.86 -68.35 -144.08	166.81
26 56 13 00-0504	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....1,244.40 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	91.08 182.16 -44.77 -80.44 -169.98	166.81
26 56 13 00-0505	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....1,430.66 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	104.94 209.88 -51.51 -92.52 -195.54	190.63
26 56 13 00-0506	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial .....1,816.76 <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	143.55 287.10 -66.95 -119.55 -253.45	190.63
26 56 13 00-0507			Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0508	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....39.00		
26 56 13 00-0509	EA		Extra Handhole For Aluminum Area Light Poles.....41.00		
26 56 13 00-0510	EA		Festoon Outlet Provision For Aluminum Area Light Poles .....42.00 Note: Excludes electrical outlet.		
26 56 13 00-0511	EA		Vibration Dampener For Aluminum Area Light Poles.....59.00		
26 56 13 00-0512			Fiberglass Area Light Poles (26 56 13 00-0177) Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0513			Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0514			Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0513)		
26 56 13 00-0515	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....980.40 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	-34.21 -61.96 -130.38	166.81
26 56 13 00-0516	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....1,066.56 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	-36.94 -67.03 -140.92	190.63
26 56 13 00-0517	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....1,153.82 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	-39.72 -72.19 -151.63	214.46
26 56 13 00-0518	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....1,239.98 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	-42.45 -77.27 -162.17	238.29
26 56 13 00-0519	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base .....1,345.93 <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	-45.97 -83.73 -175.68	262.12

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,434.30	285.95
			<i>For >10 To 20, Deduct</i>	-48.79	
			<i>For >20 To 40, Deduct</i>	-88.96	
			<i>For >40, Deduct</i>	-186.55	
26 56	13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,569.20	333.60
			<i>For >10 To 20, Deduct</i>	-52.76	
			<i>For >20 To 40, Deduct</i>	-96.50	
			<i>For >40, Deduct</i>	-202.02	
26 56	13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,703.02	381.26
			<i>For >10 To 20, Deduct</i>	-56.68	
			<i>For >20 To 40, Deduct</i>	-103.96	
			<i>For >40, Deduct</i>	-217.33	
26 56	13 00-0523	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,792.12	381.26
			<i>For >10 To 20, Deduct</i>	-60.25	
			<i>For >20 To 40, Deduct</i>	-110.20	
			<i>For >40, Deduct</i>	-230.69	
26 56	13 00-0524	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,917.88	405.09
			<i>For >10 To 20, Deduct</i>	-64.56	
			<i>For >20 To 40, Deduct</i>	-118.05	
			<i>For >40, Deduct</i>	-247.17	
26 56	13 00-0525	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,043.63	428.92
			<i>For >10 To 20, Deduct</i>	-68.88	
			<i>For >20 To 40, Deduct</i>	-125.90	
			<i>For >40, Deduct</i>	-263.65	
26 56	13 00-0526	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,081.60	166.81
			<i>For >10 To 20, Deduct</i>	-38.26	
			<i>For >20 To 40, Deduct</i>	-69.04	
			<i>For >40, Deduct</i>	-145.56	
26 56	13 00-0527	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,147.96	190.63
			<i>For >10 To 20, Deduct</i>	-40.20	
			<i>For >20 To 40, Deduct</i>	-72.73	
			<i>For >40, Deduct</i>	-153.13	
26 56	13 00-0528	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,215.42	214.46
			<i>For >10 To 20, Deduct</i>	-42.18	
			<i>For >20 To 40, Deduct</i>	-76.50	
			<i>For >40, Deduct</i>	-160.87	
26 56	13 00-0529	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,285.08	238.29
			<i>For >10 To 20, Deduct</i>	-44.25	
			<i>For >20 To 40, Deduct</i>	-80.42	
			<i>For >40, Deduct</i>	-168.93	
26 56	13 00-0530	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,360.23	262.12
			<i>For >10 To 20, Deduct</i>	-46.55	
			<i>For >20 To 40, Deduct</i>	-84.73	
			<i>For >40, Deduct</i>	-177.82	
26 56	13 00-0531	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,434.30	285.95
			<i>For >10 To 20, Deduct</i>	-48.79	
			<i>For >20 To 40, Deduct</i>	-88.96	
			<i>For >40, Deduct</i>	-186.55	
26 56	13 00-0532	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,556.00	333.60
			<i>For >10 To 20, Deduct</i>	-52.23	
			<i>For >20 To 40, Deduct</i>	-95.58	
			<i>For >40, Deduct</i>	-200.04	
26 56	13 00-0533	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,703.02	381.26
			<i>For >10 To 20, Deduct</i>	-56.68	
			<i>For >20 To 40, Deduct</i>	-103.96	
			<i>For >40, Deduct</i>	-217.33	
26 56	13 00-0534	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,740.42	381.26
			<i>For >10 To 20, Deduct</i>	-58.18	
			<i>For >20 To 40, Deduct</i>	-106.58	
			<i>For >40, Deduct</i>	-222.94	
26 56	13 00-0535	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,826.58	405.09
			<i>For >10 To 20, Deduct</i>	-60.91	
			<i>For >20 To 40, Deduct</i>	-111.66	
			<i>For >40, Deduct</i>	-233.48	
26 56	13 00-0536	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,912.73	428.92
			<i>For >10 To 20, Deduct</i>	-63.64	
			<i>For >20 To 40, Deduct</i>	-116.73	
			<i>For >40, Deduct</i>	-244.02	
26 56	13 00-0537	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,230.10	166.81
			<i>For >10 To 20, Deduct</i>	-44.20	
			<i>For >20 To 40, Deduct</i>	-79.44	
			<i>For >40, Deduct</i>	-167.84	
26 56	13 00-0538	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,311.86	190.63
			<i>For >10 To 20, Deduct</i>	-46.76	
			<i>For >20 To 40, Deduct</i>	-84.21	
			<i>For >40, Deduct</i>	-177.72	
26 56	13 00-0539	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,393.62	214.46
			<i>For >10 To 20, Deduct</i>	-49.31	
			<i>For >20 To 40, Deduct</i>	-88.98	
			<i>For >40, Deduct</i>	-187.60	
26 56	13 00-0540	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,476.48	238.29
			<i>For >10 To 20, Deduct</i>	-51.91	
			<i>For >20 To 40, Deduct</i>	-93.82	
			<i>For >40, Deduct</i>	-197.64	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0541 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,563.73	262.12
For >10 To 20, Deduct	-54.69	
For >20 To 40, Deduct	-98.98	
For >40, Deduct	-208.35	
26 56 13 00-0542 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,657.60	285.95
For >10 To 20, Deduct	-57.73	
For >20 To 40, Deduct	-104.59	
For >40, Deduct	-220.05	
26 56 13 00-0543 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,809.00	333.60
For >10 To 20, Deduct	-62.35	
For >20 To 40, Deduct	-113.29	
For >40, Deduct	-237.99	
26 56 13 00-0544 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,961.52	381.26
For >10 To 20, Deduct	-67.02	
For >20 To 40, Deduct	-122.06	
For >40, Deduct	-256.10	
26 56 13 00-0545 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,018.72	381.26
For >10 To 20, Deduct	-69.31	
For >20 To 40, Deduct	-126.06	
For >40, Deduct	-264.68	
26 56 13 00-0546 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,156.58	405.09
For >10 To 20, Deduct	-74.11	
For >20 To 40, Deduct	-134.76	
For >40, Deduct	-282.98	
26 56 13 00-0547 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,269.13	428.92
For >10 To 20, Deduct	-77.90	
For >20 To 40, Deduct	-141.68	
For >40, Deduct	-297.48	
26 56 13 00-0548 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,357.86	440.84
For >10 To 20, Deduct	-81.09	
For >20 To 40, Deduct	-147.42	
For >40, Deduct	-309.60	
26 56 13 00-0549 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,446.60	452.74
For >10 To 20, Deduct	-84.28	
For >20 To 40, Deduct	-153.15	
For >40, Deduct	-321.72	
26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0513)		
26 56 13 00-0551 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	607.89	119.14
For >10 To 20, Deduct	-20.74	
For >20 To 40, Deduct	-37.79	
For >40, Deduct	-79.27	
26 56 13 00-0552 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	652.62	131.06
For >10 To 20, Deduct	-22.17	
For >20 To 40, Deduct	-40.44	
For >40, Deduct	-84.79	
26 56 13 00-0553 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	696.25	142.97
For >10 To 20, Deduct	-23.56	
For >20 To 40, Deduct	-43.02	
For >40, Deduct	-90.14	
26 56 13 00-0554 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	714.95	142.97
For >10 To 20, Deduct	-24.31	
For >20 To 40, Deduct	-44.33	
For >40, Deduct	-92.95	
26 56 13 00-0555 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	769.57	154.89
For >10 To 20, Deduct	-26.14	
For >20 To 40, Deduct	-47.67	
For >40, Deduct	-99.95	
26 56 13 00-0556 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	815.40	166.81
For >10 To 20, Deduct	-27.61	
For >20 To 40, Deduct	-50.41	
For >40, Deduct	-105.63	
26 56 13 00-0557 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	864.53	178.71
For >10 To 20, Deduct	-29.22	
For >20 To 40, Deduct	-53.37	
For >40, Deduct	-111.81	
26 56 13 00-0558 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	919.16	190.63
For >10 To 20, Deduct	-31.05	
For >20 To 40, Deduct	-56.72	
For >40, Deduct	-118.81	
26 56 13 00-0559 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,024.76	190.63
For >10 To 20, Deduct	-35.27	
For >20 To 40, Deduct	-64.11	
For >40, Deduct	-134.65	
26 56 13 00-0560 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,154.19	202.54
For >10 To 20, Deduct	-40.09	
For >20 To 40, Deduct	-72.69	
For >40, Deduct	-152.87	
26 56 13 00-0561 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,283.62	214.46
For >10 To 20, Deduct	-44.91	
For >20 To 40, Deduct	-81.28	
For >40, Deduct	-171.10	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0562	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	709.09	119.14
			<i>For >10 To 20, Deduct</i>	-24.79	
			<i>For >20 To 40, Deduct</i>	-44.87	
			<i>For >40, Deduct</i>	-94.45	
26 56	13 00-0563	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	759.32	131.06
			<i>For >10 To 20, Deduct</i>	-26.44	
			<i>For >20 To 40, Deduct</i>	-47.91	
			<i>For >40, Deduct</i>	-100.79	
26 56	13 00-0564	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	809.55	142.97
			<i>For >10 To 20, Deduct</i>	-28.09	
			<i>For >20 To 40, Deduct</i>	-50.95	
			<i>For >40, Deduct</i>	-107.14	
26 56	13 00-0565	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	837.05	142.97
			<i>For >10 To 20, Deduct</i>	-29.19	
			<i>For >20 To 40, Deduct</i>	-52.87	
			<i>For >40, Deduct</i>	-111.26	
26 56	13 00-0566	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	887.27	154.89
			<i>For >10 To 20, Deduct</i>	-30.84	
			<i>For >20 To 40, Deduct</i>	-55.91	
			<i>For >40, Deduct</i>	-117.60	
26 56	13 00-0567	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	937.50	166.81
			<i>For >10 To 20, Deduct</i>	-32.50	
			<i>For >20 To 40, Deduct</i>	-58.95	
			<i>For >40, Deduct</i>	-123.95	
26 56	13 00-0568	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	987.73	178.71
			<i>For >10 To 20, Deduct</i>	-34.15	
			<i>For >20 To 40, Deduct</i>	-61.99	
			<i>For >40, Deduct</i>	-130.29	
26 56	13 00-0569	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,063.26	190.63
			<i>For >10 To 20, Deduct</i>	-36.81	
			<i>For >20 To 40, Deduct</i>	-66.80	
			<i>For >40, Deduct</i>	-140.43	
26 56	13 00-0570	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,165.56	190.63
			<i>For >10 To 20, Deduct</i>	-40.90	
			<i>For >20 To 40, Deduct</i>	-73.96	
			<i>For >40, Deduct</i>	-155.77	
26 56	13 00-0571	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,292.79	202.54
			<i>For >10 To 20, Deduct</i>	-45.64	
			<i>For >20 To 40, Deduct</i>	-82.39	
			<i>For >40, Deduct</i>	-173.66	
26 56	13 00-0572	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,418.92	214.46
			<i>For >10 To 20, Deduct</i>	-50.32	
			<i>For >20 To 40, Deduct</i>	-90.75	
			<i>For >40, Deduct</i>	-191.39	
26 56	13 00-0573	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	798.19	119.14
			<i>For >10 To 20, Deduct</i>	-28.35	
			<i>For >20 To 40, Deduct</i>	-51.11	
			<i>For >40, Deduct</i>	-107.81	
26 56	13 00-0574	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	841.82	131.06
			<i>For >10 To 20, Deduct</i>	-29.74	
			<i>For >20 To 40, Deduct</i>	-53.69	
			<i>For >40, Deduct</i>	-113.17	
26 56	13 00-0575	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	884.35	142.97
			<i>For >10 To 20, Deduct</i>	-31.08	
			<i>For >20 To 40, Deduct</i>	-56.19	
			<i>For >40, Deduct</i>	-118.36	
26 56	13 00-0576	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	903.05	142.97
			<i>For >10 To 20, Deduct</i>	-31.83	
			<i>For >20 To 40, Deduct</i>	-57.49	
			<i>For >40, Deduct</i>	-121.16	
26 56	13 00-0577	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	945.57	154.89
			<i>For >10 To 20, Deduct</i>	-33.18	
			<i>For >20 To 40, Deduct</i>	-59.99	
			<i>For >40, Deduct</i>	-126.35	
26 56	13 00-0578	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	989.20	166.81
			<i>For >10 To 20, Deduct</i>	-34.56	
			<i>For >20 To 40, Deduct</i>	-62.57	
			<i>For >40, Deduct</i>	-131.70	
26 56	13 00-0579	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,070.23	178.71
			<i>For >10 To 20, Deduct</i>	-37.45	
			<i>For >20 To 40, Deduct</i>	-67.77	
			<i>For >40, Deduct</i>	-142.66	
26 56	13 00-0580	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,164.46	190.63
			<i>For >10 To 20, Deduct</i>	-40.86	
			<i>For >20 To 40, Deduct</i>	-73.89	
			<i>For >40, Deduct</i>	-155.61	
26 56	13 00-0581	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,228.26	190.63
			<i>For >10 To 20, Deduct</i>	-43.41	
			<i>For >20 To 40, Deduct</i>	-78.35	
			<i>For >40, Deduct</i>	-165.18	
26 56	13 00-0582	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,316.99	202.54
			<i>For >10 To 20, Deduct</i>	-46.60	
			<i>For >20 To 40, Deduct</i>	-84.09	
			<i>For >40, Deduct</i>	-177.29	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0583 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,405.72 -49.80 -89.82 -189.41	214.46
26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0585 EA Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0586 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0587 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56 13 00-0588 EA Festoon Outlet Provision For Fiberglass Area Light Poles..... Note: Excludes electrical outlet.	78.00	
26 56 13 00-0589 EA Vibration Dampener For Fiberglass Area Light Poles.....	98.00	
26 56 13 00-0590 Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0590)		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,629.93	405.09
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,718.57	428.92
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,782.44	440.84
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,210.24	452.74
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,453.59	476.58
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,038.76	619.55
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,641.72	762.52
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	3,509.09	405.09
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	4,047.46	428.92
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	415.57	142.97
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,102.67	285.85
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles.....	161.78	58.33
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	330.65	116.67
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,735.39	190.63
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,962.41	238.29
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,168.40	285.95
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,023.30	428.92
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,483.68	452.74
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,981.34	476.58
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,619.57	619.55
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	9,844.60	1,072.29
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	11,718.42	1,317.15
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	13,941.74	1,779.32
26 56 13 00-0617 Treated Wood Area Light Poles (26 56 13 00-0177)		
See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0619 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0618)		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	775.31	119.14
26 56 13 00-0621 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	825.79	137.26
26 56 13 00-0622 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	891.37	142.97
26 56 13 00-0623 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,088.94	166.81
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,262.21	181.10
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,443.35	195.39
26 56 13 00-0626 Landscape Light Poles (26 56 13 00-0001)		
26 56 13 00-0627 Aluminum Landscape Light Poles (26 56 13 00-0626)		
Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0627)		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0628)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	383.84	142.97
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	691.06	190.63
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0628)		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	337.77	142.97
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	645.00	190.63

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0635 Steel Landscape Light Poles (26 56 13 00-0626) Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles (26 56 13 00-0635)		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0636)		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	352.53	142.97
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0636)		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	337.62	142.97
26 56 13 00-0641 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0642 Light Pole Brackets (26 56 13 00-0641)		
26 56 13 00-0643 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0644 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0645 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes powdercoat finish.		
26 56 13 00-0646 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	324.20	28.60
For Galvanized Finish, Add	26.70	
26 56 13 00-0647 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	404.76	28.60
For Galvanized Finish, Add	34.76	
26 56 13 00-0648 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	429.36	28.60
For Galvanized Finish, Add	37.22	
26 56 13 00-0649 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	581.15	28.60
For Galvanized Finish, Add	52.40	
26 56 13 00-0650 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	604.79	28.60
For Galvanized Finish, Add	54.76	
26 56 13 00-0651 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes satin brushed or painted finish.		
26 56 13 00-0652 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	236.49	28.60
For Bronze Or Satin Anodized Finish, Add	17.93	
For Black Anodized Finish, Add	35.86	
26 56 13 00-0653 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	293.69	28.60
For Bronze Or Satin Anodized Finish, Add	23.65	
For Black Anodized Finish, Add	47.30	
26 56 13 00-0654 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	309.09	28.60
For Bronze Or Satin Anodized Finish, Add	25.19	
For Black Anodized Finish, Add	50.38	
26 56 13 00-0655 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	362.99	28.60
For Bronze Or Satin Anodized Finish, Add	30.58	
For Black Anodized Finish, Add	61.16	
26 56 13 00-0656 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	373.99	28.60
For Bronze Or Satin Anodized Finish, Add	31.68	
For Black Anodized Finish, Add	63.36	
26 56 13 00-0657 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0658 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0657) Note: Includes powdercoat finish.		
26 56 13 00-0659 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	347.21	28.60
For Galvanized Finish, Add	29.00	
26 56 13 00-0660 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	424.37	28.60
For Galvanized Finish, Add	36.72	
26 56 13 00-0661 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	515.00	28.60
For Galvanized Finish, Add	45.78	
26 56 13 00-0662 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	606.06	28.60
For Galvanized Finish, Add	54.89	
26 56 13 00-0663 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0664 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0663) Note: Includes powdercoat finish.		
26 56 13 00-0665 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	342.30	47.65
26 56 13 00-0666 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	500.24	47.65
26 56 13 00-0667 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	687.12	47.65
26 56 13 00-0668 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	748.60	47.65
26 56 13 00-0669 Light Pole Arms (26 56 13 00-0641)		
26 56 13 00-0670 Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671 Steel, Wood Pole Streetlight Arms (26 56 13 00-0670)		



	Electrical	26	
	Lighting	26 50	26
	Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0672	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	208.96	42.89
26 56	13 00-0673	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	222.63	47.65
26 56	13 00-0674	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	260.97	59.57
26 56	13 00-0675	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	298.31	47.65
26 56	13 00-0676	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	336.44	59.57
26 56	13 00-0677	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	407.86	71.49
26 56	13 00-0678		Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56	13 00-0679	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	218.49	47.65
26 56	13 00-0680	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	281.67	47.65
26 56	13 00-0681	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	380.54	59.57
26 56	13 00-0682	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	505.60	71.49
26 56	13 00-0683		Area Light Arms (26 56 13 00-0669)		
26 56	13 00-0684		Steel Area Light Arms (26 56 13 00-0683)		
26 56	13 00-0685	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	376.92	47.65
26 56	13 00-0686	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	576.74	52.42
26 56	13 00-0687	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	640.18	57.19
26 56	13 00-0688	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	756.41	61.95
26 56	13 00-0689	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	451.34	59.57
26 56	13 00-0690	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	631.37	64.34
26 56	13 00-0691		Aluminum Area Light Arms (26 56 13 00-0683)		
26 56	13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	274.62	47.65
26 56	13 00-0693	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	338.04	59.57
26 56	13 00-0694	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	403.67	71.49
26 56	13 00-0695	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	272.42	47.65
26 56	13 00-0696	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	400.74	52.42
26 56	13 00-0697	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	333.64	59.57
26 56	13 00-0698	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	488.37	64.34
26 56	13 00-0699	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	405.87	71.49
26 56	13 00-0700	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	594.71	76.25
26 56	13 00-0701		Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56	13 00-0702	EA	Remove And Relocate Lighting Pole And Standards With One Or Two Arms, Up To 45'.....	1,572.70	
26 56	13 00-0703		High Mast Lighting (26 56 13 00-0001)		
26 56	13 00-0704		High Mast Lighting Assemblies (26 56 13 00-0703)		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0034 for high mast fixtures.					
26 56	13 00-0705	EA	60'-100' High Mast Lighting Assembly.....	23,521.56	2,472.55
26 56	13 00-0706	EA	110' High Mast Lighting Assembly.....	25,268.05	2,715.19
26 56	13 00-0707	EA	120' High Mast Lighting Assembly.....	26,593.86	2,969.37
26 56	13 00-0708	EA	130' High Mast Lighting Assembly.....	27,817.93	3,212.00
26 56	13 00-0709	EA	140' High Mast Lighting Assembly.....	29,143.75	3,466.19
26 56	13 00-0710	EA	150' High Mast Lighting Assembly.....	30,692.99	3,714.64
26 56	13 00-0711		High Mast Light Poles (26 56 13 00-0703)		
26 56	13 00-0712	EA	60'-100' High Mast Light Poles.....	14,211.46	1,978.04
26 56	13 00-0713	EA	110' High Mast Light Poles.....	15,561.39	2,172.15
26 56	13 00-0714	EA	120' High Mast Light Poles.....	16,606.18	2,375.50
26 56	13 00-0715	EA	130' High Mast Light Poles.....	17,549.26	2,569.60
26 56	13 00-0716	EA	140' High Mast Light Poles.....	18,594.08	2,772.95
26 56	13 00-0717	EA	150' High Mast Light Poles.....	19,740.60	2,971.68
26 56	13 00-0718		High Mast Lighting Accessories (26 56 13 00-0703)		
See CSI section 26 56 19 00-0034 for light fixtures, 26 56 26 00-0119 for lighting fixtures.					
26 56	13 00-0719	EA	Bottom Latching System For High Mast Lighting.....	339.10	
26 56	13 00-0720	EA	Top Latching System For High Mast Lighting.....	896.19	
26 56	13 00-0721	EA	Centering Springs For High Mast Lighting.....	677.78	
26 56	13 00-0722	EA	Electric Power Cord For High Mast Lighting.....	301.38	
26 56	13 00-0723	EA	Aircraft Warning Lights For High Mast Lighting.....	709.13	
26 56	13 00-0724	EA	Internal Motorized Hoist For High Mast Lighting.....	5,213.79	
26 56	13 00-0725	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	5,289.47	
26 56	13 00-0726		Concrete Bases (26 56 13 00-0001)		
26 56	13 00-0727		Concrete Bases, Cast In Place (26 56 13 00-0726)		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0728	VLF		2' Diameter Concrete Base For Poles.....	70.33	
26 56 13 00-0729	VLF		2-1/2' Diameter Concrete Base For Poles.....	88.62	
26 56 13 00-0730	VLF		3' Diameter Concrete Base For Poles.....	107.29	
26 56 13 00-0731	VLF		3-1/2' Diameter Concrete Base For Poles.....	132.40	
26 56 13 00-0732	VLF		4' Diameter Concrete Base For Poles.....	158.08	
26 56 13 00-0733	VLF		5' Diameter Concrete Base For Poles.....	216.85	
26 56 13 00-0734	VLF		6' Diameter Concrete Base For Poles.....	287.00	

26 56 19 Roadway Lighting (26 56)

26 56 19 00-0001 Metal Halide, Pole Mounted (26 56 19)

26 56 19 00-0002	EA		175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	592.28	193.06
26 56 19 00-0003	EA		250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	674.03	209.56
26 56 19 00-0004	EA		400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	795.69	225.43
26 56 19 00-0005	EA		1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	988.25	264.19

26 56 19 00-0006 High Pressure Sodium, Pole Mounted (26 56 19)

26 56 19 00-0007	EA		100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	487.43	225.43
26 56 19 00-0008	EA		150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	500.08	225.43
26 56 19 00-0009	EA		175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	522.56	225.43
26 56 19 00-0010	EA		250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	577.88	225.43
26 56 19 00-0011	EA		400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	668.07	225.43
26 56 19 00-0012	EA		1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	924.77	225.43

26 56 19 00-0013 Low Pressure Sodium, Pole Mounted (26 56 19)

26 56 19 00-0014	EA		135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	574.40	122.63
26 56 19 00-0015	EA		135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	579.30	180.34
26 56 19 00-0016	EA		180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	691.06	180.34

26 56 19 00-0017 LED, Pole Mounted (Dialight) (26 56 19)

26 56 19 00-0018	EA		131 System Watts, Enclosed And Gasketed, Exterior Roadway Fixture (Dialight SL2C4ELGH).....	1,076.06	136.59
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26 56 19 00-0019 LED, Pole Mounted (LED-Era) (26 56 19)

26 56 19 00-0020	EA		88 System Watts, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5)	1,313.38	124.17
26 56 19 00-0021	EA		124 System Watts, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS7)	1,557.69	136.59

26 56 19 00-0022 LED, Pole Mounted (Lighting Science Group) (26 56 19)

26 56 19 00-0023	EA		50 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR1 CW R3 2B)	969.69	111.75
26 56 19 00-0024	EA		75 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR2 CW R3 2B)	994.51	124.17
26 56 19 00-0025	EA		100 System Watts, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R2 2B)	1,074.06	130.38
26 56 19 00-0026	EA		100 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R3 2B)	1,074.06	130.38
26 56 19 00-0027	EA		150 System Watts, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R2 2B)	1,098.90	142.80
26 56 19 00-0028	EA		150 System Watts, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R3 2B)	1,098.90	142.80
26 56 19 00-0029	EA		86 System Watts, Type V Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group SHB CW CLR)	1,265.62	124.17

26 56 19 00-0030 Street Light Accessories (26 56 19)

26 56 19 00-0031 Photo Controls (26 56 19 00-0030)

26 56 19 00-0032	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	65.46	
26 56 19 00-0033	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	73.77	

26 56 19 00-0034 High Mast Fixtures (26 56 19)

26 56 19 00-0035 Metal Halide (26 56 19 00-0034)

26 56 19 00-0036	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,027.17	118.39
26 56 19 00-0037	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,094.81	118.39
26 56 19 00-0038	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,092.01	135.26
26 56 19 00-0039	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,132.59	135.26
26 56 19 00-0040	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,157.39	169.07
26 56 19 00-0041	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,197.98	169.07

26 56 19 00-0042 High Pressure Sodium (26 56 19 00-0034)

26 56 19 00-0043	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,059.88	118.39
26 56 19 00-0044	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,100.47	118.39
26 56 19 00-0045	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,275.76	125.15



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0046 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,309.58	135.26
26 56 19 00-0047 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,395.26	169.07
26 56 19 00-0048 LED Roadway Lighting (26 56 19)		
26 56 19 00-0049 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0048)		
26 56 19 00-0050 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0049)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0051 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	871.34	114.86
26 56 19 00-0052 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,330.66	117.96
26 56 19 00-0053 LED Roadway Lighting (Lithonia) (26 56 19 00-0048)		
26 56 19 00-0054 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0053)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0055 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,237.88	108.65
26 56 19 00-0056 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,013.99	111.75
26 56 19 00-0057 LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0048)		
26 56 19 00-0058 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0057)		
Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0059 EA UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.	570.20	105.54
26 56 19 00-0060 EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	637.31	108.65
26 56 19 00-0061 EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	718.07	111.75
26 56 19 00-0062 EA 50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	786.23	114.86
26 56 19 00-0063 EA 60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	854.38	117.96
26 56 19 00-0064 EA 70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,014.93	121.07
26 56 19 00-0065 EA 80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,083.09	124.17
26 56 19 00-0066 EA 90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,150.20	127.28
26 56 19 00-0067 EA 100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,280.31	130.38
26 56 19 00-0068 EA 110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,348.47	133.48
26 56 19 00-0069 EA 120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,416.63	136.59
26 56 19 00-0070 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) (26 56 19 00-0057)		
Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0071 EA 40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,101.32	111.75
For Multi-Level Drive Currents, Add		147.00
26 56 19 00-0072 EA 60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,268.08	117.96
For Multi-Level Drive Currents, Add		147.00
26 56 19 00-0073 EA 80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,434.84	124.17
For Multi-Level Drive Currents, Add		147.00
26 56 19 00-0074 EA 100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,601.61	130.38
For Multi-Level Drive Currents, Add		147.00
26 56 19 00-0075 EA 120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,095.98	136.59
For Multi-Level Drive Currents, Add		147.00
26 56 19 00-0076 EA 140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,262.75	142.80
For Multi-Level Drive Currents, Add		147.00
26 56 19 00-0077 EA 160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,429.51	149.01
For Multi-Level Drive Currents, Add		147.00

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0078			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0057)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0079	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	482.28	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	22.89	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	34.58	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0080	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	482.28	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	22.89	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	34.58	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0081	EA		8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	529.09	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	22.89	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	34.58	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0082	EA		8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	529.09	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Backlight Control Shield, Add</i>	22.89	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Bird Spikes, Add</i>	34.58	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0083	EA		9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	612.30	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	31.98	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	55.40	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0084	EA		10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	612.30	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	31.98	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Fuse, Add</i>	37.15	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	55.40	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0085	EA		13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	690.33	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	31.98	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	55.40	
			<i>For 480 Volt, Add</i>	55.73	
26 56 19 00-0086	EA		14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	690.33	111.75
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Backlight Control Shield, Add</i>	31.98	
			<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	55.40	
			<i>For 480 Volt, Add</i>	55.73	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0087 EA 2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	399.06	111.75
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0088 EA 2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	399.06	111.75
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0089 EA 3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	418.57	111.75
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0090 EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	418.57	111.75
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0091 EA 4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	425.07	111.75
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0092 EA 4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	425.07	111.75
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0093 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0057)</small>		
Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0094 EA 3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) (DLC Certified)	412.07	111.75
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	42.14	
For Bird Spikes, Add	55.76	
26 56 19 00-0095 EA 3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) (DLC Certified)	412.07	111.75
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	42.14	
For Bird Spikes, Add	55.76	
26 56 19 00-0096 EA 5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) (DLC Certified)	425.07	111.75
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	42.14	
For Bird Spikes, Add	55.76	
26 56 19 00-0097 EA 5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) (DLC Certified)	425.07	111.75
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	42.14	
For Bird Spikes, Add	55.76	
26 56 19 00-0098 LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0099 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0098)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0100 EA 1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	574.47	111.75
26 56 19 00-0101 EA 2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	765.46	124.17
26 56 19 00-0102 EA 3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	825.71	142.80
26 56 19 00-0103 EA 4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,200.96	155.22
26 56 19 00-0104 EA 6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,562.17	176.71
26 56 19 00-0105 LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0048)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0106			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0105)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0107	EA		8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	673.01	108.65
26 56 19 00-0108	EA		11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	727.89	109.85
26 56 19 00-0109	EA		15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	771.62	111.75
26 56 19 00-0110			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0105)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0111	EA		7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	460.90	106.02
26 56 19 00-0112	EA		10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	490.97	107.94
26 56 19 00-0113	EA		12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	537.84	109.85
26 56 19 00-0114			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0105)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0115	EA		13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	568.29	109.85
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	49.73	
26 56 19 00-0116	EA		16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	624.80	110.80
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	18.31	
26 56 19 00-0117	EA		19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	668.72	111.75
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	0.55	
26 56 19 00-0118			LED Roadway Lighting (General Electric) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0119			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0118)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0120	EA		2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23).....	427.75	105.54
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0121	EA		4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1).....	456.76	108.65
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0122	EA		5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1).....	474.69	109.85
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0123	EA		9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1).....	525.16	114.86
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0124	EA		2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23).....	448.48	105.54
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0125	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2).....	496.16	108.65
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0126	EA		5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2).....	506.83	109.85
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0127	EA		10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2).....	547.97	114.86
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0128	EA		11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3).....	637.09	117.96
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0129	EA		19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3).....	714.81	124.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0130			LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0048)</small>		
26 56 19 00-0131			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0130)</small> Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0132	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	658.96	108.65
26 56 19 00-0133	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	806.79	111.75
26 56 19 00-0134	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	1,104.71	114.86
26 56 19 00-0135	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	1,405.41	119.39



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0136 EA 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	1,698.75	122.74
26 56 19 00-0137 LED Roadway Lighting (Leotek) (26 56 19 00-0048)		
26 56 19 00-0138 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0137) Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0139 EA 2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX)	331.92	105.54
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	29.02	
26 56 19 00-0140 EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX)	376.22	108.65
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	29.02	
26 56 19 00-0141 EA 6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX)	429.23	111.75
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	31.10	
26 56 19 00-0142 EA 9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX)	481.16	114.86
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	34.21	
26 56 19 00-0143 EA 11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX)	578.79	117.96
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	37.32	
26 56 19 00-0144 EA 15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX)	662.26	121.07
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	37.32	
26 56 19 00-0145 EA 19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX)	732.69	124.17
For Utility Wattage Label, Add	1.24	
For ANSI 5-wire Photocontrol Receptacle, Add	12.44	
For ANSI 7-wire Photocontrol Receptacle, Add	13.68	
For House Or Cul-De-Sac Side Shield, Add	37.32	
26 56 19 00-0146 Induction Roadway Lighting (26 56 19)		
26 56 19 00-0147 Induction Roadway Lighting (US Lighting Tech) (26 56 19 00-0146) Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0148 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	569.17	143.28
26 56 19 00-0149 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	634.12	148.06
26 56 19 00-0150 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	653.23	157.60
26 56 19 00-0151 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	672.34	167.15
26 56 19 00-0152 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	809.34	171.93
26 56 19 00-0153 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	823.33	176.71
26 56 19 00-0154 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	522.62	143.28
26 56 19 00-0155 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	594.23	148.06
26 56 19 00-0156 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	613.34	157.60
26 56 19 00-0157 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	632.45	167.15
26 56 23 Area Lighting (26 56)		
26 56 23 00-0001 Exterior Globe (26 56 23)		
26 56 23 00-0002 Incandescent (26 56 23 00-0001)		
26 56 23 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	49.04	15.72
26 56 23 00-0004 EA 150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	81.73	15.72
26 56 23 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	60.37	15.72
26 56 23 00-0006 EA 150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	86.09	15.72
26 56 23 00-0007 Surface Mounted, Rectangular Exterior Area Fixture (26 56 23)		
26 56 23 00-0008 Metal Halide (26 56 23 00-0007)		
26 56 23 00-0009 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	548.56	180.34
26 56 23 00-0010 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	634.38	202.88
26 56 23 00-0011 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	773.31	225.43
26 56 23 00-0012 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	967.45	264.19

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0013			High Pressure Sodium <small>(26 56 23 00-0007)</small>		
26 56 23 00-0014	EA		70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	541.85	154.19
26 56 23 00-0015	EA		100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	591.91	164.11
26 56 23 00-0016	EA		150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	641.75	173.13
26 56 23 00-0017	EA		175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	662.59	180.34
26 56 23 00-0018	EA		250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	740.47	202.88
26 56 23 00-0019	EA		400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	800.80	225.43
26 56 23 00-0020	EA		1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	1,073.14	264.19
26 56 23 00-0021			Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
26 56 23 00-0022			High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023	EA		35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	523.34	121.72
26 56 23 00-0024	EA		50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	543.79	135.26
26 56 23 00-0025	EA		70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	491.91	154.19
26 56 23 00-0026	EA		100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	598.59	164.11
26 56 23 00-0027	EA		150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	616.07	173.13
26 56 23 00-0028	EA		175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	645.53	180.34
26 56 23 00-0029	EA		250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	707.43	202.88
26 56 23 00-0030	EA		400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	857.48	225.43
26 56 23 00-0031			Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032	EA		50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	478.91	135.26
26 56 23 00-0033	EA		70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	512.10	154.19
26 56 23 00-0034	EA		100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	531.62	164.11
26 56 23 00-0035	EA		150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	559.16	173.13
26 56 23 00-0036	EA		175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	569.14	180.34
26 56 23 00-0037	EA		250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	621.48	202.88
26 56 23 00-0038	EA		400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	774.19	225.43
26 56 23 00-0039			Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	165.26	62.88
26 56 23 00-0041	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	173.15	66.81
26 56 23 00-0042	EA		13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	188.69	70.74
26 56 23 00-0043	EA		75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	194.86	78.59
26 56 23 00-0044	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	219.39	90.38
26 56 23 00-0045			Wall Packs <small>(26 56 23)</small>		
26 56 23 00-0046			Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
			Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047	EA		13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	220.75	42.98
26 56 23 00-0048	EA		50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	234.24	42.98
26 56 23 00-0049	EA		35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	234.24	42.98
26 56 23 00-0050	EA		70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	299.63	42.98
26 56 23 00-0051			Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052	EA		42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	405.16	42.98
26 56 23 00-0053	EA		50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	410.02	42.98
26 56 23 00-0054	EA		70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	414.21	42.98
26 56 23 00-0055	EA		100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	406.56	42.98
26 56 23 00-0056	EA		70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	375.09	42.98
26 56 23 00-0057	EA		100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	357.81	42.98
26 56 23 00-0058			Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059	EA		50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	425.07	42.98
26 56 23 00-0060	EA		70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	429.49	42.98
26 56 23 00-0061	EA		100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	421.85	42.98
26 56 23 00-0062	EA		70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	428.01	42.98
26 56 23 00-0063	EA		100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	428.01	42.98



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0064	Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.</small>		
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	417.21	57.25
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	417.21	57.25
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	393.53	57.25
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	402.61	57.25
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	402.61	57.25
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	376.35	57.25
26 56 23 00-0071	Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.</small>		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.24	57.25
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	431.24	57.25
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	431.24	57.25
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	417.31	57.25
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	417.31	57.25
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	417.31	57.25
26 56 23 00-0078	Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.</small>		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	544.59	57.25
26 56 23 00-0080	Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Aluminum body and reflector. Lithonia TWR2.</small>		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	525.35	70.92
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	557.45	70.92
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	595.73	70.92
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	606.26	70.92
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 23 00-0085	Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.</small>		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	566.64	70.92
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	602.71	70.92
26 56 23 00-0088	Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.</small>		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	538.06	85.97
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	499.86	85.97
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	529.22	85.97
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	532.15	85.97
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	535.21	85.97
26 56 23 00-0094	Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 23 00-0045)</small>	
<small>Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.</small>		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	538.07	85.97
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	550.82	85.97
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	589.03	85.97
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	563.56	85.97
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	576.31	85.97
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	601.76	85.97
26 56 23 00-0101	Full Cutoff, LED Wall Packs <small>(26 56 23 00-0045)</small>	
26 56 23 00-0102	Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 23 00-0101)</small>	
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	983.95	83.58
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,072.61	83.58
26 56 23 00-0105	Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 23 00-0101)</small>	
26 56 23 00-0106	Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 23 00-0105)</small>	
<small>Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0107	EA		20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	610.98	81.19
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	31.52	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0108	EA		40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	783.07	85.97
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	32.00	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0109	EA		60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	955.16	90.74
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	32.47	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0110	EA		80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,127.26	95.52
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	32.95	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0111	EA		100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,299.35	100.30
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	33.43	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0112	EA		120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,471.44	105.07
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Bird Spikes, Add	33.91	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For 480 Volt, Add	55.73	
			For Multi-Level, Add	80.49	
26 56 23 00-0113			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^(26 56 23 00-0105)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114	EA		25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	369.62	81.19
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For 0 To 10 Volt Dimming, Add	37.15	
			For Multi-Level, Add	37.15	
26 56 23 00-0115	EA		42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	427.52	85.97
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For 0 To 10 Volt Dimming, Add	37.15	
			For Multi-Level, Add	37.15	
26 56 23 00-0116			Semi Cutoff, Induction Wall Packs ^(26 56 23 00-0045)		
26 56 23 00-0117			Semi Cutoff, Induction Wall Packs (Everlast®) ^(26 56 23 00-0116)		
			Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118	EA		70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....	650.81	81.19
26 56 23 00-0119	EA		80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....	665.81	85.97
26 56 23 00-0120	EA		100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....	680.80	90.74
26 56 23 00-0121	EA		120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....	755.66	95.52
26 56 23 00-0122			Wall Pack Accessories ^(26 56 23 00-0045)		
26 56 23 00-0123	EA		Photocell For Wall Pack.....	82.04	21.50
26 56 23 00-0124	EA		Wire Guard For Mini And Small Wall Pack.....	90.20	21.50
26 56 23 00-0125	EA		Wire Guard For Medium And Large Wall Pack.....	124.34	21.50
26 56 23 00-0126	EA		Clear Polycarbonate Vandal Guard For Wall Packs.....	173.62	21.50
26 56 23 00-0127	EA		Full Cutoff Visor For Wall Pack.....	87.97	21.50
26 56 23 00-0128			LED Area Fixtures ^(26 56 23)		
26 56 23 00-0129			Pole Mount, LED Area Fixtures ^(26 56 23 00-0128)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) ^(26 56 23 00-0129) Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,894.06	81.19
26 56 23 00-0132 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,042.14	85.97
26 56 23 00-0133 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,199.79	95.52
26 56 23 00-0134 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,209.34	100.30
26 56 23 00-0135 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) ^(26 56 23 00-0129) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0136 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	814.53	85.97
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	26.25	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	618.96	
26 56 23 00-0137 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	978.43	90.74
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	26.72	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	621.82	
26 56 23 00-0138 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,204.29	95.52
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	27.20	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	624.69	
26 56 23 00-0139 EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,368.19	100.30
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	27.68	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	627.56	
26 56 23 00-0140 EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,532.09	105.07
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	28.16	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	630.42	
26 56 23 00-0141 EA 140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,745.34	109.85
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	28.63	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	633.29	
26 56 23 00-0142 EA 160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,909.24	114.62
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	29.11	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	636.15	
26 56 23 00-0143 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) ^(26 56 23 00-0129) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0144 EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,418.12	105.07
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	30.02	
For 5,000K Color Temperature, Add	30.96	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
For 1,000mA Driver, Add	104.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0145 EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,376.11	128.95
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 5,000K Color Temperature, Add	30.96	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For Bird Spikes, Add	44.12	
For Multi-Level, Add	80.49	
For 1,000mA Driver, Add	104.02	
For 480 Volt, Add	111.45	
26 56 23 00-0146 Wall Mount, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0147 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 23 00-0146)		
Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0148 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	828.73	81.19
26 56 23 00-0149 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	847.83	90.74
26 56 23 00-0150 Surface Mount, LED Parking Structure Fixtures (26 56 23 00-0128)		
26 56 23 00-0151 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 23 00-0150)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0152 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	722.13	85.97
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0153 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	886.03	90.74
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0154 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,049.94	95.52
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0155 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,213.84	100.30
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0156 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 23 00-0150)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0157 EA 40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	696.93	85.97
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0158 EA 60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	768.43	90.74
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0159 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 23 00-0150)		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0160 EA 3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	567.58	85.97
26 56 23 00-0161 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) (26 56 23 00-0150)		
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0162 EA 70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,050.68	90.74
26 56 23 00-0163 EA 110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	1,069.79	100.30
26 56 23 00-0164 Surface Mount, LED Canopy Fixtures (26 56 23 00-0128)		
26 56 23 00-0165 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 23 00-0164)		
Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0166 EA 40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	833.43	85.97
For Multi-Level Drive Currents, Add	147.00	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0167 EA 60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	997.33	90.74
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0168 EA 80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,161.24	95.52
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0169 EA 100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,325.14	100.30
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0170 EA 120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,489.04	105.07
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0171 EA 140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,714.89	109.85
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0172 EA 160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,878.79	114.62
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0173 EA 200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,206.59	124.17
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0174 EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,524.85	128.95
For Multi-Level Drive Currents, Add	147.00	
26 56 23 00-0175 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0164)</small>		
<small>Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0176 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	586.89	95.52
26 56 23 00-0177 Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0178 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0177)</small>		
<small>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0179 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	709.53	85.97
26 56 23 00-0180 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	781.03	90.74
26 56 23 00-0181 Surface Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0182 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0181)</small>		
<small>Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.</small>		
26 56 23 00-0183 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	626.01	85.97
26 56 23 00-0184 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	776.64	85.97
26 56 23 00-0185 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	658.96	95.52
26 56 23 00-0186 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	803.35	95.52
26 56 23 00-0187 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0181)</small>		
<small>Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.</small>		
26 56 23 00-0188 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A).....	204.74	30.95
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0189 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	237.23	30.95
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0190 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	299.11	30.95
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0191 Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0192 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0191)</small>		
26 56 23 00-0193 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	395.80	36.15
26 56 23 00-0194 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	633.71	33.01
26 56 23 00-0195 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	803.79	27.51
26 56 23 00-0196 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	973.85	22.00
26 56 23 00-0197 Post Top, LED Area Fixtures <small>(26 56 23 00-0128)</small>		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0198		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0199	EA	1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,137.23	131.34
26 56 23 00-0200	EA	3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,248.81	131.34
26 56 23 00-0201	EA	77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,337.02	131.34
26 56 23 00-0202		Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0203	EA	2,380 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 D5/D3).....	1,355.72	131.34
		For >25 To 500, Deduct	-76.51	
		For >500, Deduct	-142.10	
26 56 23 00-0204	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	1,395.73	131.34
		For >25 To 500, Deduct	-79.31	
		For >500, Deduct	-260.60	
26 56 23 00-0205	EA	4,630 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 B5/B3).....	1,395.81	131.34
		For >25 To 500, Deduct	-79.32	
		For >500, Deduct	-147.31	
26 56 23 00-0206	EA	6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	1,426.20	131.34
		For >25 To 500, Deduct	-81.45	
		For >500, Deduct	-267.61	
26 56 23 00-0207		Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0208	EA	2,380 Lumens, 49 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC D5/D3).....	957.67	131.34
		For >25 To 500, Deduct	-48.65	
		For >500, Deduct	-118.15	
26 56 23 00-0209	EA	3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	983.11	131.34
		For >25 To 500, Deduct	-50.43	
		For >500, Deduct	-208.93	
26 56 23 00-0210	EA	4,630 Lumens, 86 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC B5/B3).....	1,001.67	131.34
		For >25 To 500, Deduct	-36.95	
		For >500, Deduct	-133.02	
26 56 23 00-0211	EA	6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,028.72	131.34
		For >25 To 500, Deduct	-53.62	
		For >500, Deduct	-199.17	
26 56 23 00-0212		Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0213	EA	2,250 Lumens, 49 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST D5/D3).....	757.67	131.34
		For >25 To 500, Deduct	-34.65	
		For >500, Deduct	-54.45	
26 56 23 00-0214	EA	3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	775.79	131.34
		For >25 To 500, Deduct	-35.92	
		For >500, Deduct	-107.76	
26 56 23 00-0215	EA	4,350 Lumens, 86 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST B5/B3).....	801.67	131.34
		For >500, Deduct	-70.07	
		For >25 To 500, Deduct	-32.34	
26 56 23 00-0216	EA	6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	821.40	131.34
		For >25 To 500, Deduct	-39.11	
		For >500, Deduct	-117.33	
26 56 23 00-0217		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 23 00-0218	EA	13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,862.87	131.34



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0219 LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0197)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0129 for disposal of hazardous lamps.		
26 56 23 00-0220 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)..... <i>For 0 To 10 Volt Dimming, Add</i>	526.88 37.15	71.63
26 56 23 00-0221 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 23 00-0197)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0129 for disposal of hazardous lamps.		
26 56 23 00-0222 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <i>For Backlight Control Shield, Add</i>	326.39 25.16	15.28
26 56 23 00-0223 Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0224 Post Top, Induction Area Fixtures <small>(26 56 23 00-0223)</small>		
26 56 23 00-0225 Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0224)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0226 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	662.76	131.34
26 56 23 00-0227 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	727.04	131.34
26 56 23 00-0228 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	727.04	131.34
26 56 23 00-0229 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	727.04	131.34
26 56 23 00-0230 Surface Mount, Induction Parking Structure Fixtures <small>(26 56 23 00-0223)</small>		
26 56 23 00-0231 Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 23 00-0230)</small>		
26 56 23 00-0232 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	584.74	119.39
26 56 23 00-0233 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	627.20	121.79
26 56 23 00-0234 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	636.39	124.17
26 56 23 00-0235 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	645.60	126.56
26 56 23 00-0236 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	654.82	128.95
26 56 23 00-0237 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	668.45	131.34
26 56 23 00-0238 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	700.67	124.17
26 56 23 00-0239 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	709.88	126.56
26 56 23 00-0240 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	719.10	128.95
26 56 23 00-0241 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	751.57	131.34
26 56 23 00-0242 Pole Mount, Induction Area Fixtures <small>(26 56 23 00-0223)</small>		
26 56 23 00-0243 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 23 00-0242)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0244 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	678.02	81.19
26 56 23 00-0245 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	698.46	85.97
26 56 23 00-0246 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	718.89	90.74
26 56 23 00-0247 Metal Halide Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0248 Pole Mount, Metal Halide Area Fixtures <small>(26 56 23 00-0247)</small> Note: Includes pulse start ballast.		
26 56 23 00-0249 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	642.81	119.14
26 56 23 00-0250 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	705.43	131.06
26 56 23 00-0251 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	779.20	142.97
26 56 23 00-0252 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	831.73	166.81
26 56 23 00-0253 High Pressure Sodium Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0254 Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 23 00-0253)</small>		
26 56 23 00-0255 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	532.09	95.32
26 56 23 00-0256 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	586.73	119.14
26 56 23 00-0257 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	643.21	142.97
26 56 23 00-0258 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	686.08	166.81
26 56 23 00-0259 Area Lighting Accessories <small>(26 56 23)</small>		
26 56 23 00-0260 Outdoor Motion Sensors <small>(26 56 23 00-0259)</small>		
26 56 23 00-0261 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	76.68	21.53
26 56 23 00-0262 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	82.78	21.53



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0263	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	309.17	21.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.92</i>	

26 56 26 Landscape Lighting (26 56)

26 56 26 00-0001		Bollards <small>(26 56 26)</small> Note: Excludes concrete base.		
26 56 26 00-0002		Aluminum Architectural Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0003		High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0002)</small>		
26 56 26 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 56 26 00-0003)</small>		
26 56 26 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.81	73.08
26 56 26 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	844.40	77.38
26 56 26 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	853.00	81.67
26 56 26 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	795.01	85.97
26 56 26 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.81	73.08
26 56 26 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	844.40	77.38
26 56 26 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	853.00	81.67
26 56 26 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	795.01	85.97
26 56 26 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.81	73.08
26 56 26 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	844.40	77.38
26 56 26 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	853.00	81.67
26 56 26 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	795.01	85.97
26 56 26 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	835.81	73.08
26 56 26 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	844.40	77.38
26 56 26 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	853.00	81.67
26 56 26 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	795.01	85.97

26 56 26 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)

26 56 26 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.23	73.08
26 56 26 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.82	77.38
26 56 26 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	822.42	81.67
26 56 26 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	764.15	85.97
26 56 26 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.23	73.08
26 56 26 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.82	77.38
26 56 26 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	822.42	81.67
26 56 26 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	764.15	85.97
26 56 26 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.23	73.08
26 56 26 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.82	77.38
26 56 26 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	822.42	81.67
26 56 26 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	764.15	85.97
26 56 26 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	805.23	73.08
26 56 26 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.82	77.38
26 56 26 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	822.42	81.67
26 56 26 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	764.15	85.97

26 56 26 00-0038 Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)

26 56 26 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)

26 56 26 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	875.52	73.08
26 56 26 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	884.11	77.38
26 56 26 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	892.71	81.67
26 56 26 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	834.44	85.97
26 56 26 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	875.52	73.08
26 56 26 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	884.11	77.38
26 56 26 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	892.71	81.67
26 56 26 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	834.44	85.97
26 56 26 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	875.52	73.08
26 56 26 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	884.11	77.38
26 56 26 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	892.71	81.67
26 56 26 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	867.66	85.97

26 56 26 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)

26 56 26 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	844.66	73.08
26 56 26 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	853.25	77.38
26 56 26 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	861.85	81.67
26 56 26 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	803.57	85.97
26 56 26 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	844.66	73.08
26 56 26 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	853.25	77.38
26 56 26 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	861.85	81.67
26 56 26 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	803.57	85.97
26 56 26 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	844.66	73.08
26 56 26 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	853.25	77.38
26 56 26 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	861.85	81.67
26 56 26 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	803.57	85.97



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0065 Compact Fluorescent, Aluminum Architectural Bollards <small>(26 56 26 00-0002)</small>		
26 56 26 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 56 26 00-0065)</small>		
26 56 26 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	832.33	73.08
26 56 26 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	840.92	77.38
26 56 26 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	849.52	81.67
26 56 26 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	792.15	85.97
26 56 26 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	832.33	73.08
26 56 26 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	840.92	77.38
26 56 26 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	849.52	81.67
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	792.15	85.97
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	832.33	73.08
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	840.92	77.38
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	849.52	81.67
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	792.15	85.97
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 56 26 00-0065)</small>		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	802.14	73.08
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	810.73	77.38
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	819.33	81.67
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	762.54	85.97
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	802.14	73.08
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	810.73	77.38
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	819.33	81.67
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	762.54	85.97
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	802.14	73.08
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	810.73	77.38
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	819.33	81.67
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	762.54	85.97
26 56 26 00-0092 LED, Aluminum Architectural Bollards <small>(26 56 26 00-0002)</small>		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards <small>(26 56 26 00-0092)</small>		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	989.07	73.08
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	997.66	77.38
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,006.26	81.67
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	949.73	85.97
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,199.22	73.08
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,207.81	77.38
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,216.41	81.67
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,158.83	85.97
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards <small>(26 56 26 00-0092)</small>		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	957.72	73.08
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	966.31	77.38
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	974.91	81.67
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	917.33	85.97
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,167.87	73.08
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,176.46	77.38
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,185.06	81.67
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,127.86	85.97
26 56 26 00-0111 Reinforced Concrete Bollards <small>(26 56 26 00-0001)</small>		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	903.00	214.92
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,527.87	286.54
26 56 26 00-0114 Low Voltage <small>(26 56 26)</small>		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	659.63	156.47
26 56 26 00-0116 EA Low Voltage Walkway.....	484.53	85.97
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set.....	456.89	114.77
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	404.96	85.97
26 56 26 00-0119 Recessed, Adjustable <small>(26 56 26)</small>		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	803.65	137.55
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	888.90	137.55
26 56 26 00-0122 Recessed, Uplight <small>(26 56 26)</small>		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight.....	707.03	137.55
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight.....	724.08	137.55
26 56 26 00-0125 EA 300 Watt Incandescent Recessed Uplight.....	775.23	137.55
26 56 26 00-0126 EA 500 Watt Quartz Recessed Uplight.....	769.54	137.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0127 EA 5 Watt LED Recessed Uplight.....	658.61	137.55
26 56 26 00-0128 EA 15 Watt LED Recessed Uplight.....	717.15	137.55
26 56 26 00-0129 Recessed Wall Light (26 56 26)		
26 56 26 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	353.81	85.97
26 56 26 00-0131 EA 100 Watt Fluorescent Recessed Wall Light.....	336.76	85.97
26 56 26 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	564.88	114.77
26 56 26 00-0133 Step Lights (26 56 26)		
26 56 26 00-0134 EA Incandescent Step Light.....	290.96	68.78
26 56 26 00-0135 EA Fluorescent Step Light.....	347.84	68.78
26 56 26 00-0136 EA 5 Watt LED Step Light.....	358.03	68.78
26 56 26 00-0137 EA 15 Watt LED Step Light.....	420.46	68.78
26 56 26 00-0138 Tree Lights, Surface Adjustable (26 56 26)		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights.....	638.76	114.77
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights.....	655.81	114.77
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights.....	798.56	171.94
26 56 26 00-0142 Underwater Lights (26 56 26)		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights.....	551.98	57.17
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights.....	620.18	57.17
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights.....	1,564.40	85.97
26 56 26 00-0146 EA 50 Watt, 12 Volt Underwater Lights.....	580.40	57.17
26 56 26 00-0147 EA 300 Watt, 12 Volt Underwater Lights.....	659.97	57.17
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,706.84	128.96
26 56 33 Walkway Lighting (26 56)		
26 56 33 00-0001 Incandescent Walkway (26 56 33)		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	364.81	79.95
26 56 33 00-0003 Metal Halide Walkway (26 56 33)		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture.....	559.16	125.69
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	595.08	130.24
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture.....	647.17	135.23
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture.....	691.55	146.15
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	611.28	135.23
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	628.20	125.69
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	638.16	130.24
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture.....	520.05	89.58
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture.....	555.94	89.58
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture.....	591.83	89.58
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture.....	668.37	100.84
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture.....	501.93	80.46
26 56 33 00-0016 High Pressure Sodium Walkway (26 56 33)		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture.....	491.83	125.69
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture.....	521.89	130.24
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture.....	564.74	135.23
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture.....	604.24	146.15
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	536.70	135.23
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture.....	545.77	125.69
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	555.55	130.24
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	445.47	89.58
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture.....	473.51	89.58
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	501.55	89.58
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	566.31	100.84
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	427.35	80.46
26 56 33 00-0029 Walkway, Adjustable (26 56 33)		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture.....	530.57	114.77
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture.....	548.27	114.77
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture.....	969.52	171.94
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture.....	455.25	85.97
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture.....	478.86	85.97
26 56 33 00-0035 LED Walkway (26 56 33)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 56 33 00-0035)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	574.13	66.02
<i>For Multi-Level Drive Currents, Add</i>	<i>147.00</i>	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	591.98	66.02
<i>For Multi-Level Drive Currents, Add</i>	<i>147.00</i>	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	623.48	66.02
<i>For Multi-Level Drive Currents, Add</i>	<i>147.00</i>	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	647.63	66.02
<i>For Multi-Level Drive Currents, Add</i>	<i>147.00</i>	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	747.32	84.88
<i>For Multi-Level Drive Currents, Add</i>	<i>147.00</i>	
26 56 36 Flood Lighting <small>(26 56)</small>		
26 56 36 00-0001 General Electric Powerflood® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	229.63	71.49
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	231.36	71.49
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	234.25	71.49
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	298.37	71.49
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	439.62	95.32
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	441.93	95.32
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	445.97	95.32
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	491.61	95.32
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	504.90	95.32
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light	435.57	95.32
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light	455.79	95.32
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light	466.19	95.32
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	453.63	107.23
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	456.52	107.23
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	461.14	107.23
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	506.20	107.23
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	518.91	107.23
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light	450.16	107.23
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light	469.80	107.23
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light	480.20	107.23
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	589.96	107.23
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	630.40	107.23
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	627.52	107.23
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	641.96	107.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light	604.99	107.23
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light	617.12	107.23
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light	629.83	107.23
26 56 36 00-0041 PF-1000 (Large Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042 High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	786.53	119.14
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	786.53	119.14
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light	753.02	119.14
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	645.42	107.23
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	656.40	107.23
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	651.78	107.23
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights <small>(26 56 36 00-0001)</small>		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light	114.09	23.83
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light	71.34	23.83
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light	97.91	23.83
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	77.69	23.83
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light	201.90	71.49
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	84.05	23.83
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	158.57	71.49
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	163.77	71.49
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	66.14	23.83
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	64.40	23.83
26 56 36 00-0064 Lithonia Contour Series Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	408.86	95.32
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	442.22	95.32
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	474.88	95.32
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light	515.64	95.32
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light	507.61	95.32
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light	494.67	95.32
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light	493.71	95.32
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	512.32	95.32
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 56 36 00-0077)</small>		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	606.51	107.23
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	617.64	107.23



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	581.51	107.23
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	581.51	107.23
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	598.95	107.23
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	577.13	95.32
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	593.78	95.32
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	607.69	95.32
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	571.57	95.32
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	588.24	95.32
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064)		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,086.21	119.14
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	849.90	119.14
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	933.30	119.14
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	100.07	23.83
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	181.93	23.83
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	84.62	23.83
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	109.64	23.83
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	254.15	71.49
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	209.89	71.49
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	209.89	71.49
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	227.55	71.49
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	96.27	23.83
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	79.31	23.83
26 56 36 00-0110 Ruud Flood Lights (26 56 36)		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	273.53	71.49
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	273.53	71.49
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	273.53	71.49
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	273.53	71.49
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	273.53	71.49
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light.....	305.88	71.49
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light.....	305.88	71.49
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light.....	305.88	71.49
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	240.02	71.49
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	248.11	71.49
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	250.42	71.49
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	252.73	71.49

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <i>(26 56 36 00-0110)</i> Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <i>(26 56 36 00-0127)</i>		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	420.12	107.23
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	440.92	107.23
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	452.47	107.23
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <i>(26 56 36 00-0127)</i>		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	415.50	107.23
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	417.81	107.23
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	424.74	107.23
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <i>(26 56 36 00-0127)</i>		
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	407.41	107.23
26 56 36 00-0138 FS (Square) Series Ruud Flood Lights <i>(26 56 36 00-0110)</i> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139 High Pressure Sodium FS Series Ruud Flood Lights <i>(26 56 36 00-0138)</i>		
26 56 36 00-0140 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	481.36	107.23
26 56 36 00-0141 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light	483.67	107.23
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	787.11	119.14
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights <i>(26 56 36 00-0138)</i>		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light	481.36	107.23
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	483.67	107.23
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light	490.60	107.23
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	710.85	119.14
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights <i>(26 56 36 00-0110)</i> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights <i>(26 56 36 00-0148)</i>		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	383.58	95.32
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	407.85	95.32
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	407.85	95.32
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	407.85	95.32
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	407.85	95.32
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights <i>(26 56 36 00-0148)</i>		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	415.93	95.32
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	415.93	95.32
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	415.93	95.32
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	403.22	95.32
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <i>(26 56 36 00-0110)</i> Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <i>(26 56 36 00-0160)</i>		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	412.47	95.32
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	436.73	95.32
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	436.73	95.32
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	436.73	95.32
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	436.73	95.32
26 56 36 00-0167 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <i>(26 56 36 00-0160)</i>		
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	444.82	95.32
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	444.82	95.32
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	444.82	95.32
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	432.11	95.32
26 56 36 00-0172 CF (Cutoff Square) Series Ruud Flood Lights <i>(26 56 36 00-0110)</i> Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173 High Pressure Sodium CF Series Ruud Flood Lights <i>(26 56 36 00-0172)</i>		
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	535.66	107.23



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	547.22	107.23
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	815.99	119.14
26 56 36 00-0177 Metal Halide CF Series Ruud Flood Lights (26 56 36 00-0172)		
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	510.24	107.23
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	512.55	107.23
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	519.49	107.23
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	739.73	119.14
26 56 36 00-0182 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183 High Pressure Sodium CN Series Ruud Flood Lights (26 56 36 00-0182)		
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	681.96	119.14
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	802.13	119.14
26 56 36 00-0186 Metal Halide CN Series Ruud Flood Lights (26 56 36 00-0182)		
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	654.23	119.14
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	725.87	119.14
26 56 36 00-0189 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190 High Pressure Sodium PM/PN Series Ruud Flood Lights (26 56 36 00-0189)		
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	551.84	107.23
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	563.39	107.23
26 56 36 00-0193 Metal Halide PM/PN Series Ruud Flood Lights (26 56 36 00-0189)		
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	526.42	107.23
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	528.73	107.23
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	535.66	107.23
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	755.91	119.14
26 56 36 00-0198 Accessories For Ruud Flood Lighting (26 56 36 00-0110)		
26 56 36 00-0199 EA Wireguard For Ruud Flood Light.....	64.98	23.83
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	96.18	23.83
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	73.07	23.83
26 56 36 00-0202 EA Vandal Shield For Ruud Flood Light.....	84.62	23.83
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light.....	182.25	71.49
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	58.05	23.83
26 56 36 00-0205 Lumark Flood Lights (26 56 36)		
26 56 36 00-0206 QZ Wedge Series Quartz Lumark Flood Lights (26 56 36 00-0205)		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	166.60	71.49
26 56 36 00-0208 LQL Series Quartz Lumark Flood Lights (26 56 36 00-0205)		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	200.68	71.49
26 56 36 00-0210 Kim Lighting (26 56 36)		
26 56 36 00-0211 MicroFlood® Series Kim Lighting Flood Lights (26 56 36 00-0210)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212 LED MicroFlood® Series Kim Lighting Flood Lights (26 56 36 00-0211)		
26 56 36 00-0213 EA 5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	287.72	30.13
26 56 36 00-0214 EA 15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	351.83	30.13
26 56 36 00-0215 Scarab® Series Kim Lighting Flood Lights (26 56 36 00-0210)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216 LED Scarab® Series Kim Lighting Accent Flood Lights (26 56 36 00-0215)		
Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217 EA 6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	430.68	30.13
26 56 36 00-0218 CREE® BetaLED® Flood Lights (26 56 36)		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0219			Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220	EA		40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	747.33	85.97
26 56 36 00-0221	EA		60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	817.78	90.74
26 56 36 00-0222			Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223	EA		20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	650.63	81.19
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0224	EA		40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	814.53	85.97
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0225	EA		60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	978.43	90.74
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0226	EA		80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,204.29	95.52
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0227	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,368.19	100.30
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0228	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,532.09	105.07
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0229	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,745.34	109.85
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0230	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,909.24	114.62
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0231			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0232	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,470.14	105.07
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Bird Spikes, Add</i>	30.02	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
26 56 36 00-0233	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,480.13	128.95
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	44.12	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
			<i>For 480 Volt, Add</i>	111.45	
26 56 36 00-0234			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0235	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified)	873.30	105.07
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	23.51	
			<i>For Rotated Optics, Back Light Shield, Add</i>	23.51	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0236	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified).....	931.82	105.07
			Note: Type III, IV or V medium optics only.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Front Facing Optics, Back Light Shield, Add	23.51	
			For Rotated Optics, Back Light Shield, Add	23.51	
			For Field Adjustable Output, Add	18.58	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For Type II Medium Or Type V Short Optics, Add	74.37	
			For Multi-Level, Add	80.49	
26 56 36 00-0237	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified).....	1,194.12	128.95
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
			For Field Adjustable Output, Add	18.58	
			For Front Facing Optics, Back Light Shield, Add	28.50	
			For Rotated Optics, Back Light Shield, Add	28.50	
			For Fuse, Add	37.15	
			For 0 To 10 Volt Dimming, Add	37.15	
			For Multi-Level, Add	80.49	
26 56 36 00-0238			PlanLED Flood Lights (26 56 36)		
26 56 36 00-0239			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 56 36 00-0238)		
26 56 36 00-0240	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	376.68	85.97
26 56 36 00-0241	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	443.98	90.74
26 56 36 00-0242	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	508.72	97.90
26 56 36 00-0243			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 56 36 00-0238)		
26 56 36 00-0244	EA		21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,027.82	191.04
			For 0 To 10 Volt Dimming, Add	49.73	
26 56 36 00-0245	EA		42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,537.07	191.04
			For 0 To 10 Volt Dimming, Add	49.73	
26 56 36 00-0246	EA		84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	2,633.27	191.04
			For 0 To 10 Volt Dimming, Add	49.73	
26 56 36 00-0247			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 56 36 00-0238)		
26 56 36 00-0248	EA		26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	885.69	124.17
			For 0 To 10 Volt Dimming, Add	49.73	
			For 347-480 Volt, Add	-10.35	
26 56 36 00-0249	EA		39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,117.85	128.95
			For 0 To 10 Volt Dimming, Add	49.73	
			For 347-480 Volt, Add	65.27	
26 56 36 00-0250	EA		52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,409.85	133.73
			For 0 To 10 Volt Dimming, Add	49.73	
			For 347-480 Volt, Add	57.86	
26 56 68			Athletic Field Lighting (26 56)		
26 56 68 00-0001			Sports Lighting System (26 56 68)		
			Note: Musco.		
26 56 68 00-0002			Round Steel Tapered Poles (26 56 68 00-0001)		
			Note: With Internal wiring harness.		
26 56 68 00-0003	EA		20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,301.67	457.51
26 56 68 00-0004	EA		25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	2,770.70	552.83
26 56 68 00-0005	EA		30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,112.08	600.48
26 56 68 00-0006	EA		35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,387.86	624.32
26 56 68 00-0007	EA		40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,186.31	648.15
26 56 68 00-0008	EA		45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,826.74	791.11
26 56 68 00-0009	EA		50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,181.61	838.78
26 56 68 00-0010	EA		55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,886.23	953.15
26 56 68 00-0011	EA		60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,678.26	1,072.29
26 56 68 00-0012	EA		65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,375.18	1,178.50
26 56 68 00-0013	EA		70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,059.13	1,317.15
26 56 68 00-0014	EA		75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,806.59	1,478.90
26 56 68 00-0015	EA		80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,935.15	1,779.32
26 56 68 00-0016			Steel Pole Brackets (26 56 68 00-0001)		
26 56 68 00-0017	EA		Two Light Bracket	345.52	47.65
26 56 68 00-0018	EA		Three Light Bracket.....	435.88	66.72
26 56 68 00-0019	EA		Four Light Bracket.....	624.66	81.02
26 56 68 00-0020	EA		Five Light Bracket	713.10	95.32
26 56 68 00-0021	EA		Six Light Bracket	863.64	109.61

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 68 00-0022 EA Seven Light Bracket.....	988.82	123.91
26 56 68 00-0023 EA Eight Light Bracket.....	1,129.90	142.97
26 56 68 00-0024 EA Nine Light Bracket.....	1,275.78	157.27
26 56 68 00-0025 Light Fixtures <small>(26 56 68 00-0001)</small>		
26 56 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug..... <i>For 1,500 Watt Metal Halide Lamp, Add</i>	1,317.68 8.59	
26 56 68 00-0027 Electrical Component Enclosure <small>(26 56 68 00-0001)</small>		
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted.....	540.25	55.88
26 56 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted.....	811.82	85.97
26 56 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted.....	930.43	107.46
26 56 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted.....	1,200.54	120.36
26 56 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted.....	1,347.72	128.96
26 56 68 00-0033 Accessories <small>(26 56 68 00-0001)</small>		
26 56 68 00-0034 EA Time Delay Kit (Musco®).....	611.85	172.22
26 56 68 00-0035 EA Remote Switch Box Push Button (Musco®).....	1,146.71	172.22
26 56 68 00-0036 EA Push Button Strobe Kit (Musco®).....	1,360.65	172.22
26 56 68 00-0037 EA Additional Control-Link Unit (Musco®).....	6,381.78	516.64
26 56 68 00-0038 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	706.79	85.97
26 56 68 00-0039 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	878.73	171.94

END OF SECTION 26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00)	579.34	88.00
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00)	748.64	117.36
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00)	1,176.16	176.00
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	7.02	1.29
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	54.81	23.25
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	161.39	23.25
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	191.00	23.25
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap	40.45	4.31
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug	15.69	4.31
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug	16.56	4.31
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block	18.17	4.31

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	6.07	2.15
		<i>For >50 To 100, Deduct</i>	-0.26	
		<i>For >100 To 250, Deduct</i>	-0.52	
		<i>For >250 To 500, Deduct</i>	-0.99	
		<i>For >500, Deduct</i>	-1.47	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
		<i>For Painted Powder Coated Finish, Add</i>	0.36	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	6.34	2.15
		<i>For >50 To 100, Deduct</i>	-0.27	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-1.01	
		<i>For >500, Deduct</i>	-1.50	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
		<i>For Painted Powder Coated Finish, Add</i>	1.25	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.47	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	6.77	2.15
		<i>For >50 To 100, Deduct</i>	-0.28	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-1.05	
		<i>For >500, Deduct</i>	-1.54	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
		<i>For Painted Powder Coated Finish, Add</i>	1.54	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.55	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	10.42	2.15
		<i>For >50 To 100, Deduct</i>	-0.37	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-1.32	
		<i>For >500, Deduct</i>	-1.90	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
		<i>For Painted Powder Coated Finish, Add</i>	0.82	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.92	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	6.71	2.15
		<i>For >50 To 100, Deduct</i>	-0.28	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-1.04	
		<i>For >500, Deduct</i>	-1.53	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	1.29	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	8.36	2.15
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.70	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	9.16	2.15
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	12.02	2.15
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.44	
			<i>For >500, Deduct</i>	-2.06	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0012			Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
			Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.02	2.15
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500, Deduct</i>	-1.56	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	8.11	2.15
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500, Deduct</i>	-1.67	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	8.68	2.15
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.73	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	11.39	2.15
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-2.00	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0017			T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
			Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	8.22	2.15
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.68	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	10.07	2.15
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.87	
			<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	10.56	2.15
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.92	
			<i>For Work In Restricted Working Space, Add</i>	1.29	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021				Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
				Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022	EA			3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	6.87	2.15
				<i>For >50 To 100, Deduct</i>	-0.28	
				<i>For >100 To 250, Deduct</i>	-0.56	
				<i>For >250 To 500, Deduct</i>	-1.05	
				<i>For >500, Deduct</i>	-1.55	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0023	EA			1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	7.12	2.15
				<i>For >50 To 100, Deduct</i>	-0.29	
				<i>For >100 To 250, Deduct</i>	-0.57	
				<i>For >250 To 500, Deduct</i>	-1.07	
				<i>For >500, Deduct</i>	-1.57	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0024	EA			2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	8.41	2.15
				<i>For >50 To 100, Deduct</i>	-0.32	
				<i>For >100 To 250, Deduct</i>	-0.64	
				<i>For >250 To 500, Deduct</i>	-1.17	
				<i>For >500, Deduct</i>	-1.70	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0025				Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
				Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA			1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	8.26	2.15
				<i>For >50 To 100, Deduct</i>	-0.31	
				<i>For >100 To 250, Deduct</i>	-0.63	
				<i>For >250 To 500, Deduct</i>	-1.16	
				<i>For >500, Deduct</i>	-1.69	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0027	EA			2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	8.86	2.15
				<i>For >50 To 100, Deduct</i>	-0.33	
				<i>For >100 To 250, Deduct</i>	-0.66	
				<i>For >250 To 500, Deduct</i>	-1.20	
				<i>For >500, Deduct</i>	-1.75	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0028	EA			4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	11.86	2.15
				<i>For >50 To 100, Deduct</i>	-0.40	
				<i>For >100 To 250, Deduct</i>	-0.81	
				<i>For >250 To 500, Deduct</i>	-1.43	
				<i>For >500, Deduct</i>	-2.05	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0029				Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030	EA			3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	8.18	2.15
				<i>For >50 To 100, Deduct</i>	-0.31	
				<i>For >100 To 250, Deduct</i>	-0.62	
				<i>For >250 To 500, Deduct</i>	-1.15	
				<i>For >500, Deduct</i>	-1.68	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0031	EA			1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	9.25	2.15
				<i>For >50 To 100, Deduct</i>	-0.34	
				<i>For >100 To 250, Deduct</i>	-0.68	
				<i>For >250 To 500, Deduct</i>	-1.23	
				<i>For >500, Deduct</i>	-1.79	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0032	EA			2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	9.82	2.15
				<i>For >50 To 100, Deduct</i>	-0.35	
				<i>For >100 To 250, Deduct</i>	-0.71	
				<i>For >250 To 500, Deduct</i>	-1.28	
				<i>For >500, Deduct</i>	-1.84	
				<i>For Work In Restricted Working Space, Add</i>	1.29	
27 05 29 00-0033	EA			4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	12.94	2.15
				<i>For >50 To 100, Deduct</i>	-0.43	
				<i>For >100 To 250, Deduct</i>	-0.86	
				<i>For >250 To 500, Deduct</i>	-1.51	
				<i>For >500, Deduct</i>	-2.16	
				<i>For Work In Restricted Working Space, Add</i>	1.29	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) ^(27 05 29)		
27 05 29 00-0035 EA Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.34	2.84
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.25	
For Work In Restricted Working Space, Add	2.58	
27 05 29 00-0036 EA Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.74	2.84
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-2.78	
For >500, Deduct	-3.99	
For Work In Restricted Working Space, Add	2.58	
27 05 29 00-0037 EA Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	24.83	2.84
For >50 To 100, Deduct	-0.84	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.94	
For >500, Deduct	-4.20	
For Work In Restricted Working Space, Add	2.58	
27 05 29 00-0038 EA >1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.27	2.84
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.95	
For Work In Restricted Working Space, Add	2.58	
27 05 29 00-0039 EA Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	23.24	2.84
For >50 To 100, Deduct	-0.80	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-4.04	
For Work In Restricted Working Space, Add	2.58	
27 05 29 00-0040 EA >1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	24.20	2.84
For >50 To 100, Deduct	-0.82	
For >100 To 250, Deduct	-1.64	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-4.14	
For Work In Restricted Working Space, Add	2.58	
27 05 29 00-0041 EA Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.91	2.84
For >50 To 100, Deduct	-0.79	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-2.79	
For >500, Deduct	-4.01	
For Work In Restricted Working Space, Add	2.58	
27 05 33 Conduits And Backboxes For Communications Systems ^(27 05)		
See CSI section 26 05 33 00-0000 for conduit and boxes.		
27 05 39 Surface Raceways For Communications Systems ^(27 05)		
See CSI section 26 05 33 00-0000 for surface raceways.		
27 05 43 Underground Ducts And Raceways For Communications Systems ^(27 05)		
See CSI section 26 05 43 00-0000 for underground ducts and raceways.		
27 05 46 Utility Poles For Communications Systems ^(27 05)		
See CSI section 26 05 46 00-0000 for utility poles.		
27 05 53 Identification For Communications Systems ^(27 05)		
See CSI section 26 05 53 00-0000 for identification.		
27 10 Structured Cabling ⁽²⁷⁾		
Note: Includes testing.		
27 11 Communications Equipment Room Fittings ^(27 10)		
27 11 16 Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)		
27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards ^(27 11 16)		
27 11 16 00-0002 EA 4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	62.76	22.35
For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	40.19	
27 11 16 00-0003 EA 4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	125.51	44.71
For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	80.39	
27 11 16 00-0004 Terminal Cabinets ^(27 11 16)		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	230.83	64.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0006	EA			18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	287.38	70.92
27 11 16 00-0007	EA			24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	330.70	81.67
27 11 16 00-0008	EA			18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	343.00	83.82
27 11 16 00-0009	EA			24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	412.81	85.97
27 11 16 00-0010	EA			26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	507.17	96.72
27 11 16 00-0011	EA			24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	517.41	94.56
27 11 16 00-0012	EA			30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	669.84	134.71
27 11 16 00-0013	EA			36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	718.15	148.04
27 11 16 00-0014	EA			42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	858.63	156.38
27 11 16 00-0015	EA			30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	709.06	128.96
27 11 16 00-0016	EA			36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	766.93	139.70
27 11 16 00-0017	EA			48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	958.13	179.08
27 11 16 00-0018	EA			54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,154.05	223.86
27 11 16 00-0019	EA			48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,295.64	221.37
27 11 16 00-0020	EA			60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,494.21	269.34
27 11 16 00-0021				Equipment Racks And Cable Managers (27 11 16)		
27 11 16 00-0022				Equipment Racks (27 11 16 00-0021) Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023				Standard Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0024				19" Width, Standard Equipment Racks (27 11 16 00-0023)		
27 11 16 00-0025	EA			84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	426.00	137.55
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	7.55	
27 11 16 00-0026	EA			96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	590.08	146.15
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	14.89	
27 11 16 00-0027	EA			108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	637.35	154.74
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.39	
27 11 16 00-0028				Universal Equipment Racks (27 11 16 00-0022)		
27 11 16 00-0029				Universal Equipment Racks (27 11 16 00-0028)		
27 11 16 00-0030				19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0031	EA			36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	552.78	120.36
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	15.60	
27 11 16 00-0032	EA			48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	603.82	122.50
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.94	
27 11 16 00-0033	EA			60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	603.09	124.66
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.69	
27 11 16 00-0034	EA			66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	618.56	126.80
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.25	
27 11 16 00-0035	EA			72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	633.86	128.96
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.80	
27 11 16 00-0036	EA			78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	650.42	131.10
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.41	
27 11 16 00-0037	EA			84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	554.70	133.26
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	14.41	
27 11 16 00-0038	EA			90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	682.59	135.40
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.59	
27 11 16 00-0039	EA			60" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	706.69	137.55
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.58	
27 11 16 00-0040	EA			102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	727.74	139.70
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.42	
27 11 16 00-0041	EA			108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	732.88	141.85
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.46	
27 11 16 00-0042				23" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0043	EA			36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	584.80	120.36
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.20	
27 11 16 00-0044	EA			48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	605.01	122.50
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.00	
27 11 16 00-0045	EA			60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	622.81	124.66
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.68	
27 11 16 00-0046	EA			66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	656.06	126.80
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.12	
27 11 16 00-0047	EA			72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	672.47	128.96
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.73	
27 11 16 00-0048	EA			78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	690.30	131.10
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.40	
27 11 16 00-0049	EA			84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	595.05	133.26
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.43	
27 11 16 00-0050	EA			90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	724.92	135.40
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.71	
27 11 16 00-0051	EA			96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	751.02	137.55
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.80	
27 11 16 00-0052	EA			102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	773.82	139.70
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.72	

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	779.04 24.77	141.85
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	726.75 23.44	128.96
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	765.26 24.94	133.26
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	583.99 17.16	120.36
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	631.14 19.31	122.50
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	640.81 19.58	124.66
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	655.08 20.07	126.80
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	671.44 20.68	128.96
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	689.23 21.35	131.10
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	706.32 21.99	133.26
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	723.79 22.65	135.40
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	749.86 23.74	137.55
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	772.60 24.66	139.70
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	777.76 24.70	141.85
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	619.24 18.93	120.36
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	678.95 21.70	122.50
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	687.61 21.92	124.66
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	696.30 22.13	126.80
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	713.91 22.80	128.96
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	733.12 23.55	131.10
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	751.50 24.25	133.26
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	770.32 24.98	135.40
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	798.60 26.18	137.55
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	823.27 27.19	139.70
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	828.65 27.25	141.85
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,179.78 37.50	214.92
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,287.99 42.05	223.52
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,390.06 46.29	232.12
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,212.77 39.15	214.92
27 11 16 00-0089 Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090 Horizontal Cable Managers (27 11 16 00-0089)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0091 Single-Sided, Horizontal Cable Managers <small>(27 11 16 00-0090)</small>		
27 11 16 00-0092 EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719).....	68.24	8.60
27 11 16 00-0093 EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723).....	75.98	8.60
27 11 16 00-0094 EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701).....	56.98	8.60
27 11 16 00-0095 EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719).....	69.40	8.60
27 11 16 00-0096 EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723).....	81.39	8.60
27 11 16 00-0097 EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702).....	63.10	8.60
27 11 16 00-0098 EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719).....	93.55	8.60
27 11 16 00-0099 EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723).....	106.48	8.60
27 11 16 00-0100 EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703).....	75.34	8.60
27 11 16 00-0101 Double-Sided, Horizontal Cable Managers <small>(27 11 16 00-0090)</small>		
27 11 16 00-0102 EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719).....	84.74	8.60
27 11 16 00-0103 EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723).....	94.94	8.60
27 11 16 00-0104 EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719).....	89.16	8.60
27 11 16 00-0105 EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723).....	103.77	8.60
27 11 16 00-0106 EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719).....	115.35	8.60
27 11 16 00-0107 EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723).....	129.17	8.60
27 11 16 00-0108 Vertical Cable Managers <small>(27 11 16 00-0089)</small>		
27 11 16 00-0109 Single-Sided, Vertical Cable Managers <small>(27 11 16 00-0108)</small>		
27 11 16 00-0110 EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701).....	152.79	12.90
27 11 16 00-0111 EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701).....	215.52	12.90
27 11 16 00-0112 EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701).....	347.10	12.90
27 11 16 00-0113 EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701).....	393.00	12.90
27 11 16 00-0114 EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703).....	163.50	12.90
27 11 16 00-0115 EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703).....	232.35	12.90
27 11 16 00-0116 EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703).....	377.70	12.90
27 11 16 00-0117 EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703).....	423.60	12.90
27 11 16 00-0118 EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715).....	184.92	12.90
27 11 16 00-0119 EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715).....	255.30	12.90
27 11 16 00-0120 EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715).....	423.60	12.90
27 11 16 00-0121 EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715).....	469.50	12.90
27 11 16 00-0122 Double-Sided, Vertical Cable Managers <small>(27 11 16 00-0108)</small>		
27 11 16 00-0123 EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701).....	221.64	12.90
27 11 16 00-0124 EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701).....	261.42	12.90
27 11 16 00-0125 EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701).....	423.60	12.90
27 11 16 00-0126 EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701).....	500.10	12.90
27 11 16 00-0127 EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703).....	240.00	12.90
27 11 16 00-0128 EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703).....	279.78	12.90
27 11 16 00-0129 EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703).....	454.20	12.90
27 11 16 00-0130 EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703).....	530.70	12.90
27 11 16 00-0131 EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715).....	264.48	12.90
27 11 16 00-0132 EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715).....	304.26	12.90
27 11 16 00-0133 EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715).....	500.10	12.90
27 11 16 00-0134 EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715).....	576.60	12.90
27 11 16 00-0135 Accessories For Vertical Cable Managers <small>(27 11 16 00-0108)</small>		
27 11 16 00-0136 EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716).....	93.70	8.60
27 11 16 00-0137 EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717).....	99.82	8.60
27 11 16 00-0138 EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718).....	105.94	8.60
27 11 16 00-0139 EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726).....	96.76	8.60
27 11 16 00-0140 EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727).....	105.94	8.60
27 11 16 00-0141 EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728).....	115.12	8.60
27 11 16 00-0142 EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746).....	109.00	8.60
27 11 16 00-0143 EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747).....	118.18	8.60
27 11 16 00-0144 EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748).....	127.36	8.60
27 11 16 00-0145 EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756).....	115.12	8.60
27 11 16 00-0146 EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757).....	127.36	8.60
27 11 16 00-0147 EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758).....	136.54	8.60
27 11 16 00-0148 EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001).....	78.40	8.60
27 11 16 00-0149 EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701).....	90.64	8.60
27 11 16 00-0150 EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001).....	94.77	8.60
27 11 16 00-0151 EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001).....	60.04	8.60
27 11 19 Communications Termination Blocks And Patch Panels <small>(27 11)</small>		
Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.		
27 11 19 00-0001 Computer Network Components <small>(27 11 19)</small>		
27 11 19 00-0002 Ethernet Patch Panels <small>(27 11 19 00-0001)</small>		
27 11 19 00-0003 EA 12 Port, Category 5E Patch Panel.....	176.57	42.98
27 11 19 00-0004 EA 24 Port, Category 5E Patch Panel.....	253.86	42.98

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0005 EA 32 Port, Category 5E Patch Panel	327.00	42.98
27 11 19 00-0006 EA 48 Port, Category 5E Patch Panel	395.16	42.98
27 11 19 00-0007 EA 64 Port, Category 5E Patch Panel	543.87	53.74
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel	724.06	64.48
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel.....	210.64	42.98
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	258.85	42.98
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	431.73	42.98
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	793.88	64.48
27 11 19 00-0013 EA Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	30.46	
27 11 19 00-0014 EA >5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	25.38	
27 11 19 00-0015 EA >10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	15.23	
27 11 19 00-0016 EA Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	8.38	
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	6.99	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	4.19	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0020 Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	94.22	19.34
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	137.45	19.34
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	201.41	19.34
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	298.43	32.24
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	412.29	32.24
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	310.10	32.24
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	353.51	32.24
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	380.07	32.24
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	444.23	32.24
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	384.51	32.24
For Splice Tray Bracket, Add	40.16	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	449.08	32.24
For Splice Tray Bracket, Add	43.92	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	557.92	32.24
For Splice Tray Bracket, Add	160.00	
27 11 19 00-0036 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0020) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	485.81	32.24
27 11 19 00-0038 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	618.97	32.24
27 11 19 00-0039 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	699.69	32.24
27 11 19 00-0040 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	905.55	32.24
27 11 19 00-0041 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0020) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	431.44	19.34
27 11 19 00-0043 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	598.16	32.24
27 11 19 00-0044 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	627.31	32.24
27 11 19 00-0045 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0020) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	451.59	19.34
27 11 19 00-0047 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	597.80	32.24
27 11 19 00-0048 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	700.95	32.24
27 11 19 00-0049 Fiber Optic Cable Connector Panels (27 11 19 00-0019)		
27 11 19 00-0050 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0051 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	59.79	4.30
27 11 19 00-0052 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	64.79	4.30
27 11 19 00-0053 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	72.56	4.30
27 11 19 00-0054 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	79.23	4.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0055 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	98.12	4.30
27 11 19 00-0056 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	108.10	4.30
27 11 19 00-0057 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0058 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	57.57	4.30
27 11 19 00-0059 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	58.75	4.30
27 11 19 00-0060 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	69.63	4.30
27 11 19 00-0061 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	71.19	4.30
27 11 19 00-0062 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	93.72	4.30
27 11 19 00-0063 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	96.05	4.30
27 11 19 00-0064 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0065 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	62.09	4.30
27 11 19 00-0066 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	67.98	4.30
27 11 19 00-0067 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	75.62	4.30
27 11 19 00-0068 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	83.49	4.30
27 11 19 00-0069 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	102.73	4.30
27 11 19 00-0070 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	114.51	4.30
27 11 19 00-0071 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	129.82	4.30
27 11 19 00-0072 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	145.52	4.30
27 11 19 00-0073 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	183.99	4.30
27 11 19 00-0074 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	189.47	4.30
27 11 19 00-0075 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0076 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	49.88	4.30
27 11 19 00-0077 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	53.66	4.30
27 11 19 00-0078 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	59.35	4.30
27 11 19 00-0079 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	64.40	4.30
27 11 19 00-0080 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	78.29	4.30
27 11 19 00-0081 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	85.88	4.30
27 11 19 00-0082 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0083 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	61.74	4.30
27 11 19 00-0084 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	91.84	4.30
27 11 19 00-0085 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0049)		
27 11 19 00-0086 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	523.35	4.30
27 11 19 00-0087 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	525.16	4.30
27 11 19 00-0088 Fiber Optic Cable Splice Housings (27 11 19 00-0019)		
27 11 19 00-0089 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	220.06	42.98
27 11 19 00-0091 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	321.36	32.24
27 11 19 00-0093 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	326.06	32.24
27 11 19 00-0094 Fiber Optic Cable Splice Trays (27 11 19 00-0088)		
27 11 19 00-0095 EA Fiber Optic Cable Splice Tray.....	62.53	10.74
27 11 19 00-0096 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0019)		
Note: Includes mounting hardware.		
27 11 19 00-0097 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	124.43	32.24
27 11 19 00-0098 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0099 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	45.82	
27 11 19 00-0100 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	60.66	
27 11 19 00-0101 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	66.47	
27 11 19 00-0102 EA Wall Mount Bracket For 96 Port Patch Panel.....	74.18	
27 11 19 00-0103 EA Lightning Protection Plus Stainless Steel Modules, Simon.....	289.78	42.98
27 11 19 00-0104 Telephone Components (27 11 19)		
27 11 19 00-0105 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0104)		
27 11 19 00-0106 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	23.32	8.61
27 11 19 00-0107 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	40.04	8.61

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0108 EA Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	33.20	8.61
27 11 19 00-0109 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	18.72	8.61
27 11 19 00-0110 EA Flat Terminal Block Connection With Wire Range 22-8 AWG.....	13.32	6.02
27 11 19 00-0111 EA Ground Terminal Block With Wire Range 22-8 AWG.....	24.04	8.61
27 11 19 00-0112 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	18.72	8.61
27 11 19 00-0113 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	13.22	6.02
27 11 19 00-0114 EA Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	13.14	6.02
27 11 19 00-0115 EA Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	13.48	6.02
27 11 19 00-0116 Terminal Block Mounting Channel (27 11 19 00-0104)		
27 11 19 00-0117 EA Terminal Block Mounting Channel, 5 M Galvanized Steel	12.19	4.31
27 11 19 00-0118 EA Terminal Block Mounting Channel, 1 M Galvanized Steel	15.12	4.31
27 11 19 00-0119 EA Terminal Block Mounting Channel, 2 M Galvanized Steel	20.20	4.31
27 11 19 00-0120 EA Terminal Block Mounting Channel, 5 M Bi-Chrome Zinc.....	15.27	5.17
27 11 19 00-0121 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	20.10	5.17
27 11 19 00-0122 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	27.91	5.17
27 11 19 00-0123 Outlet Termination Hardware (27 11 19 00-0104)		
27 11 19 00-0124 EA Telephone Outlet Blocks.....	21.25	4.31
27 11 19 00-0125 EA Phone Outlet Block For Floor Box.....	70.59	32.67
Note: Excludes box.		
27 11 19 00-0126 EA Fiber Optic "SC" Type Modular Bulkhead.....	56.81	19.34
27 11 19 00-0127 EA Fiber Optic "ST" Type Modular Bulkhead.....	56.81	19.34
27 11 19 00-0128 EA Type "F" Coaxial Connector Male.....	34.11	12.90
27 11 19 00-0129 EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	81.50	21.50
27 11 19 00-0130 EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	81.50	21.50
27 11 19 00-0131 EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	95.85	21.50
27 11 19 00-0132 EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	95.85	21.50
27 11 19 00-0133 EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	88.30	21.50
27 11 19 00-0134 EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	722.52	107.46
27 11 19 00-0135 EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	38.91	8.60
Note: Excludes cable terminations.		
27 11 19 00-0136 EA Connecting Block, 5-Pair.....	2.43	0.86
27 11 19 00-0137 EA Connecting Block, 4-Pair.....	2.37	0.86
27 11 19 00-0138 EA Plastic Label Holder, Transparent.....	9.99	2.14
27 11 19 00-0139 EA Marked Label, White, 5-Pair.....	2.82	
27 11 19 00-0140 EA Marked Label, Blue, 4-Pair.....	2.82	
27 11 19 00-0141 Terminations in Manhole or Junction Box (27 11 19 00-0104)		
27 11 19 00-0142 EA 25 Pair Cable Termination In Manhole Or Junction Box	137.55	
27 11 19 00-0143 EA 50 Pair Cable Termination In Manhole Or Junction Box	275.10	
27 11 19 00-0144 EA 100 Pair Cable Termination In Manhole Or Junction Box	550.21	
27 11 19 00-0145 EA 150 Pair Cable Termination In Manhole Or Junction Box	825.30	
27 11 19 00-0146 EA 200 Pair Cable Termination In Manhole Or Junction Box	965.43	
27 11 19 00-0147 EA 300 Pair Cable Termination In Manhole Or Junction Box	1,447.72	
27 11 19 00-0148 EA 400 Pair Cable Termination In Manhole Or Junction Box	1,820.83	
27 11 19 00-0149 EA 500 Pair Cable Termination In Manhole Or Junction Box	2,276.47	
27 11 19 00-0150 EA 750 Pair Cable Termination In Manhole Or Junction Box	3,414.68	
27 11 19 00-0151 EA 1,000 Pair Cable Termination In Manhole Or Junction Box	4,141.10	
27 11 19 00-0152 EA 1,200 Pair Cable Termination In Manhole Or Junction Box	4,719.75	
27 11 23 Communications Cable Management and Ladder Rack (27 11)		
27 11 23 00-0001 Equipment Supports (27 11 23)		
27 11 23 00-0002 EA Environmental Enclosure, NEMA 4x SS, 6' Free Standing	15,565.45	677.41
27 11 23 00-0003 EA DVR Enclosure	1,161.05	169.34
27 11 23 00-0004 EA Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	4,133.18	338.68
27 11 23 00-0005 EA Panel, NEMA 12/27.00x21.00.....	331.38	84.67
27 11 23 00-0006 EA Panel, NEMA 12/8.75x6.88.....	100.46	84.67
27 11 23 00-0007 EA Clamp Assembly, Fast Opening, Stainless Steel Type 304.....	125.72	84.67
27 11 23 00-0008 EA Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	3,540.50	84.67
27 11 23 00-0009 EA 12" x 5'-11" Tubular Runway.....	73.58	20.63
27 11 23 00-0010 EA 12" x 9'-11" Tubular Runway.....	127.00	34.38
27 11 23 00-0011 EA Shelf Bracket Support For Tubular Runway.....	23.39	6.44
27 11 23 00-0012 EA Straight Clamp Hardware For Tubular Runway	10.77	4.30
27 11 23 00-0013 EA Corner Clamp Hardware For Tubular Runway.....	11.31	4.30
27 11 23 00-0014 EA 90 Degree Edge Clamp Hardware For Tubular Runway.....	24.89	7.74
27 11 23 00-0015 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway	51.24	12.90
27 11 23 00-0016 EA J-Bolt Hardware For Tubular Runway	4.96	1.89
27 11 23 00-0017 EA T Bracket Hardware For Tubular Runway.....	27.29	10.74
27 11 23 00-0018 EA 110 Jumper Trough (Commscope 107831133)	24.50	4.30
27 11 23 00-0019 LF Velcro CMP	2.06	0.86

27 14 Communications Cabling (27 10)

27 14 13 Communications Copper Cabling (27 14)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)		
27 14 13 13-0001 Building Entrance Terminals (27 14 13 13)		
27 14 13 13-0002 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,385.02	188.63
27 14 13 13-0003 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,893.76	314.38
27 14 13 13-0004 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,726.45	503.40
27 14 13 13-0005 Modular Plugs For Copper Communications Cable (27 14 13 13)		
27 14 13 13-0006 EA Modular Plug For Non-Shielded Copper Communications Cable.....	19.26	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
<i>For >5 To 10, Deduct</i>		
	-2.57	
<i>For >10, Deduct</i>		
	-5.15	
27 14 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable.....	21.84	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
<i>For >5 To 10, Deduct</i>		
	-2.90	
<i>For >10, Deduct</i>		
	-5.79	
27 14 13 13-0008 Testing And Certification Of Copper Communications Cable (27 14 13 13)		
Note: Use for existing systems.		
27 14 13 13-0009 PR Test 1-Pair Of A Copper Communications Cable For Continuity	4.30	
<i>For >25-Pair, Deduct</i>		
	-1.72	
27 14 13 13-0010 PR Certify 1-Pair Of A Copper Communications Cable	6.44	
<i>For >25-Pair, Deduct</i>		
	-2.57	
27 14 13 13-0011 PR Certify And Document 1-Pair Of A Copper Communications Cable.....	10.31	
<i>For >25-Pair, Deduct</i>		
	-4.12	
27 14 13 13-0012 PR Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	17.20	
<i>For >25-Pair, Deduct</i>		
	-6.86	
27 14 13 13-0013 PR Certify 4-Pair Cat 5-7 Telecommunications Cable	25.80	
<i>For >25-Pair, Deduct</i>		
	-10.30	
27 14 13 13-0014 PR Certify And Document 4-Pair Cat 5-7 Telecommunications Cable.....	41.27	
<i>For >25-Pair, Deduct</i>		
	-16.47	
27 14 13 13-0015 Communications Termination Blocks (27 14 13 13)		
27 14 13 13-0016 EA 100-Pair, 110 Block With Legs.....	37.13	10.74
27 14 13 13-0017 EA 300-Pair, 110 Block With Legs.....	58.27	10.74
27 14 13 13-0018 EA Clear Label Holder For 110 Wiring Block.....	10.76	4.30
27 14 13 13-0019 EA 4-Pair, 110C Connecting Block.....	4.95	2.14
27 14 13 13-0020 EA 5-Pair, 110C Connecting Block.....	5.05	2.14
27 14 13 13-0021 EA 100-Pair, 110 Jack Panel System.....	166.17	12.90
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0022 EA 300-Pair, 110 Jack Panel System.....	422.81	12.90
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 16 Communications Copper Cabling (27 14 13)		
27 14 13 16-0001 Solid Conductor Low Voltage Cable (27 14 13 16)		
27 14 13 16-0002 Shielded, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0001)		
27 14 13 16-0003 #12 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0004 MLF 1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,781.42	778.09
<i>For #10 AWG, Add</i>		
	419.27	
<i>For Installation On Exposed Surface, Deduct</i>		
	-259.38	
27 14 13 16-0005 MLF 2 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,237.13	805.60
<i>For #10 AWG, Add</i>		
	563.66	
<i>For Installation On Exposed Surface, Deduct</i>		
	-268.61	
27 14 13 16-0006 MLF 3 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,635.05	833.89
<i>For #10 AWG, Add</i>		
	688.94	
<i>For Installation On Exposed Surface, Deduct</i>		
	-277.88	
27 14 13 16-0007 MLF 4 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,056.70	862.19
<i>For #10 AWG, Add</i>		
	821.85	
<i>For Installation On Exposed Surface, Deduct</i>		
	-287.48	
27 14 13 16-0008 MLF 5 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,505.19	920.34
<i>For #10 AWG, Add</i>		
	957.25	
<i>For Installation On Exposed Surface, Deduct</i>		
	-306.87	
27 14 13 16-0009 MLF 6 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,912.54	977.71
<i>For #10 AWG, Add</i>		
	1,079.24	
<i>For Installation On Exposed Surface, Deduct</i>		
	-325.99	
27 14 13 16-0010 MLF 8 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,226.74	1,094.04
<i>For #10 AWG, Add</i>		
	1,157.83	
<i>For Installation On Exposed Surface, Deduct</i>		
	-364.61	
27 14 13 16-0011 MLF 12 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,608.14	1,442.21
<i>For #10 AWG, Add</i>		
	1,538.27	
<i>For Installation On Exposed Surface, Deduct</i>		
	-480.64	
27 14 13 16-0012 MLF 24 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	8,356.31	2,129.92
<i>For #10 AWG, Add</i>		
	2,296.22	
<i>For Installation On Exposed Surface, Deduct</i>		
	-709.79	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0013 #14 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0014 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,597.05	680.63
<i>For Installation On Exposed Surface, Deduct</i>	-226.82	
27 14 13 16-0015 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,029.25	705.00
<i>For Installation On Exposed Surface, Deduct</i>	-235.00	
27 14 13 16-0016 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,406.02	729.36
<i>For Installation On Exposed Surface, Deduct</i>	-243.17	
27 14 13 16-0017 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,804.71	754.51
<i>For Installation On Exposed Surface, Deduct</i>	-251.50	
27 14 13 16-0018 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,225.48	805.60
<i>For Installation On Exposed Surface, Deduct</i>	-268.48	
27 14 13 16-0019 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,606.63	855.89
<i>For Installation On Exposed Surface, Deduct</i>	-285.14	
27 14 13 16-0020 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,892.11	957.28
<i>For Installation On Exposed Surface, Deduct</i>	-319.09	
27 14 13 16-0021 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,164.59	1,261.44
<i>For Installation On Exposed Surface, Deduct</i>	-420.48	
27 14 13 16-0022 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	7,699.34	1,863.48
<i>For Installation On Exposed Surface, Deduct</i>	-621.21	
27 14 13 16-0023 #16 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0024 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,420.73	607.53
<i>For Installation On Exposed Surface, Deduct</i>	-202.62	
27 14 13 16-0025 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,703.38	629.54
<i>For Installation On Exposed Surface, Deduct</i>	-209.85	
27 14 13 16-0026 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,133.44	651.54
<i>For Installation On Exposed Surface, Deduct</i>	-217.08	
27 14 13 16-0027 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,485.57	673.56
<i>For Installation On Exposed Surface, Deduct</i>	-224.62	
27 14 13 16-0028 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,856.81	719.14
<i>For Installation On Exposed Surface, Deduct</i>	-239.71	
27 14 13 16-0029 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,193.76	763.94
<i>For Installation On Exposed Surface, Deduct</i>	-254.65	
27 14 13 16-0030 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,320.16	809.53
<i>For Installation On Exposed Surface, Deduct</i>	-269.74	
27 14 13 16-0031 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,447.34	855.11
<i>For Installation On Exposed Surface, Deduct</i>	-284.98	
27 14 13 16-0032 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,874.80	909.34
<i>For Installation On Exposed Surface, Deduct</i>	-303.06	
27 14 13 16-0033 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,573.80	1,126.26
<i>For Installation On Exposed Surface, Deduct</i>	-375.45	
27 14 13 16-0034 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	6,818.06	1,663.85
<i>For Installation On Exposed Surface, Deduct</i>	-554.64	
27 14 13 16-0035 #18 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0036 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,179.10	535.23
<i>For Installation On Exposed Surface, Deduct</i>	-178.25	
27 14 13 16-0037 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,454.65	554.09
<i>For Installation On Exposed Surface, Deduct</i>	-184.70	
27 14 13 16-0038 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,695.73	572.96
<i>For Installation On Exposed Surface, Deduct</i>	-191.14	
27 14 13 16-0039 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,949.96	592.61
<i>For Installation On Exposed Surface, Deduct</i>	-197.59	
27 14 13 16-0040 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,225.61	632.69
<i>For Installation On Exposed Surface, Deduct</i>	-210.95	
27 14 13 16-0041 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,476.83	671.98
<i>For Installation On Exposed Surface, Deduct</i>	-224.15	
27 14 13 16-0042 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,681.61	752.15
<i>For Installation On Exposed Surface, Deduct</i>	-250.72	
27 14 13 16-0043 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,556.07	991.08
<i>For Installation On Exposed Surface, Deduct</i>	-330.41	
27 14 13 16-0044 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,296.40	1,464.22
<i>For Installation On Exposed Surface, Deduct</i>	-488.07	
27 14 13 16-0045 #20 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0046 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,031.51	486.51
<i>For Installation On Exposed Surface, Deduct</i>	-162.06	
27 14 13 16-0047 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,248.79	503.79
<i>For Installation On Exposed Surface, Deduct</i>	-167.88	
27 14 13 16-0048 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,437.16	521.47
<i>For Installation On Exposed Surface, Deduct</i>	-173.69	
27 14 13 16-0049 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,635.60	539.16
<i>For Installation On Exposed Surface, Deduct</i>	-179.67	
27 14 13 16-0050 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,858.25	575.32
<i>For Installation On Exposed Surface, Deduct</i>	-191.69	
27 14 13 16-0051 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,060.69	611.46
<i>For Installation On Exposed Surface, Deduct</i>	-203.72	
27 14 13 16-0052 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,252.99	683.77
<i>For Installation On Exposed Surface, Deduct</i>	-227.92	



Communications	27	
Structured Cabling	27 10	27
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0053 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,965.15 -300.39	901.48
27 14 13 16-0054 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,413.53 -443.74	1,331.39
27 14 13 16-0055 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,713.88 -454.28	1,362.83
27 14 13 16-0056 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,637.63 -528.94	1,586.82
27 14 13 16-0057 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,050.93 -566.19	1,698.43
27 14 13 16-0058 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,184.07 -707.50	2,122.84
27 14 13 16-0059 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,817.70 -931.50	2,794.82
27 14 13 16-0060 #22 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0061 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	845.08 -145.87	437.77
27 14 13 16-0062 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	913.64 -151.06	453.49
27 14 13 16-0063 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	999.25 -156.40	469.21
27 14 13 16-0064 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,092.94 -161.75	484.93
27 14 13 16-0065 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,227.57 -172.59	517.94
27 14 13 16-0066 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,364.61 -182.97	548.59
27 14 13 16-0067 Triad (27 14 13 16-0002)		
27 14 13 16-0068 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,938.29	651.54
27 14 13 16-0069 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,527.57	901.48
27 14 13 16-0070 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,946.10	1,331.39
27 14 13 16-0071 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	4,911.90	1,586.82
27 14 13 16-0072 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	8,037.72	2,458.44
27 14 13 16-0073 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	9,245.85	2,794.82
27 14 13 16-0074 Shielded, Low Voltage Cable Buried In Trench (27 14 13 16-0001)		
Note: Excludes excavation.		
27 14 13 16-0075 MLF 1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,495.19	
27 14 13 16-0076 MLF 2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,922.75	
27 14 13 16-0077 MLF 3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,295.82	
27 14 13 16-0078 MLF 4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,691.38	
27 14 13 16-0079 MLF 5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,104.07	
27 14 13 16-0080 MLF 6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,478.17	
27 14 13 16-0081 Shielded, Low Voltage Cable Installed On Poles, Aerially (27 14 13 16-0001)		
27 14 13 16-0082 MLF 1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,567.26	420.82
27 14 13 16-0083 MLF 2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,037.48	450.85
27 14 13 16-0084 MLF 3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,685.87	569.97
27 14 13 16-0085 MLF 4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,277.22	659.23
27 14 13 16-0086 MLF 5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,105.72	751.39
27 14 13 16-0087 MLF 6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	6,148.76	959.95
27 14 13 16-0088 Non-Shielded Low Voltage Cable Pulled In Conduit (27 14 13 16-0001)		
27 14 13 16-0089 #14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0090 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,600.93 -226.82	680.63
27 14 13 16-0091 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,036.41 -235.00	705.00
27 14 13 16-0092 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,416.00 -243.17	729.36
27 14 13 16-0093 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,817.68 -251.50	754.51
27 14 13 16-0094 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,239.69 -268.16	804.80
27 14 13 16-0095 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,624.13 -284.98	855.11
27 14 13 16-0096 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,911.36 -319.09	957.28
27 14 13 16-0097 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	5,190.26 -420.48	1,261.44
27 14 13 16-0098 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	7,737.84 -621.21	1,863.48

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0099 #16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0100 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,424.15	607.53
<i>For Installation On Exposed Surface, Deduct</i>	-202.62	
27 14 13 16-0101 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,807.81	629.54
<i>For Installation On Exposed Surface, Deduct</i>	-209.85	
27 14 13 16-0102 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,142.23	651.54
<i>For Installation On Exposed Surface, Deduct</i>	-217.08	
27 14 13 16-0103 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,496.99	673.56
<i>For Installation On Exposed Surface, Deduct</i>	-224.62	
27 14 13 16-0104 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,869.93	718.35
<i>For Installation On Exposed Surface, Deduct</i>	-239.56	
27 14 13 16-0105 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,209.86	763.94
<i>For Installation On Exposed Surface, Deduct</i>	-254.65	
27 14 13 16-0106 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,336.69	809.53
<i>For Installation On Exposed Surface, Deduct</i>	-269.74	
27 14 13 16-0107 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,596.12	855.11
<i>For Installation On Exposed Surface, Deduct</i>	-284.98	
27 14 13 16-0108 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,048.29	909.34
<i>For Installation On Exposed Surface, Deduct</i>	-303.04	
27 14 13 16-0109 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,596.40	1,126.26
<i>For Installation On Exposed Surface, Deduct</i>	-375.45	
27 14 13 16-0110 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	6,852.36	1,663.85
<i>For Installation On Exposed Surface, Deduct</i>	-554.72	
27 14 13 16-0111 #18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0112 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,234.34	534.44
<i>For Installation On Exposed Surface, Deduct</i>	-178.25	
27 14 13 16-0113 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,538.67	554.09
<i>For Installation On Exposed Surface, Deduct</i>	-184.70	
27 14 13 16-0114 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,712.85	573.74
<i>For Installation On Exposed Surface, Deduct</i>	-191.14	
27 14 13 16-0115 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,958.02	592.61
<i>For Installation On Exposed Surface, Deduct</i>	-197.59	
27 14 13 16-0116 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,214.11	632.69
<i>For Installation On Exposed Surface, Deduct</i>	-210.95	
27 14 13 16-0117 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,469.41	672.77
<i>For Installation On Exposed Surface, Deduct</i>	-224.15	
27 14 13 16-0118 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,099.12	752.15
<i>For Installation On Exposed Surface, Deduct</i>	-250.72	
27 14 13 16-0119 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,993.05	991.08
<i>For Installation On Exposed Surface, Deduct</i>	-330.41	
27 14 13 16-0120 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	5,989.44	1,464.22
<i>For Installation On Exposed Surface, Deduct</i>	-488.07	
27 14 13 16-0121 #20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0122 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,052.48	486.51
<i>For Installation On Exposed Surface, Deduct</i>	-162.06	
27 14 13 16-0123 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,252.22	503.79
<i>For Installation On Exposed Surface, Deduct</i>	-167.88	
27 14 13 16-0124 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,529.17	573.74
<i>For Installation On Exposed Surface, Deduct</i>	-191.14	
27 14 13 16-0125 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,641.78	539.16
<i>For Installation On Exposed Surface, Deduct</i>	-179.67	
27 14 13 16-0126 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,962.07	632.69
<i>For Installation On Exposed Surface, Deduct</i>	-210.95	
27 14 13 16-0127 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,171.61	672.77
<i>For Installation On Exposed Surface, Deduct</i>	-224.15	
27 14 13 16-0128 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,370.79	748.69
<i>For Installation On Exposed Surface, Deduct</i>	-249.62	
27 14 13 16-0129 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,977.41	901.48
<i>For Installation On Exposed Surface, Deduct</i>	-300.39	
27 14 13 16-0130 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,431.93	1,331.39
<i>For Installation On Exposed Surface, Deduct</i>	-443.74	
27 14 13 16-0131 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,734.36	1,362.83
<i>For Installation On Exposed Surface, Deduct</i>	-454.28	
27 14 13 16-0132 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	5,662.72	1,586.82
<i>For Installation On Exposed Surface, Deduct</i>	-528.94	
27 14 13 16-0133 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	6,077.93	1,698.43
<i>For Installation On Exposed Surface, Deduct</i>	-566.19	
27 14 13 16-0134 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	7,214.64	2,122.84
<i>For Installation On Exposed Surface, Deduct</i>	-707.50	
27 14 13 16-0135 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	9,860.96	2,794.82
<i>For Installation On Exposed Surface, Deduct</i>	-931.50	
27 14 13 16-0136 #22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0137 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	889.92	437.77
<i>For Installation On Exposed Surface, Deduct</i>	-145.87	
<i>For Installation On Exposed Surface, Deduct</i>	-145.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0138	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....		975.00	453.49
		<i>For Installation On Exposed Surface, Deduct</i>		-151.06	
		<i>For Installation On Exposed Surface, Deduct</i>		-151.06	
27 14 13 16-0139	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....		1,094.41	469.21
		<i>For Installation On Exposed Surface, Deduct</i>		-156.40	
		<i>For Installation On Exposed Surface, Deduct</i>		-156.40	
27 14 13 16-0140	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....		1,227.54	484.93
		<i>For Installation On Exposed Surface, Deduct</i>		-161.75	
		<i>For Installation On Exposed Surface, Deduct</i>		-161.75	
27 14 13 16-0141	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....		1,381.33	517.94
		<i>For Installation On Exposed Surface, Deduct</i>		-172.59	
		<i>For Installation On Exposed Surface, Deduct</i>		-172.59	
27 14 13 16-0142	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....		1,554.28	548.59
		<i>For Installation On Exposed Surface, Deduct</i>		-182.97	
		<i>For Installation On Exposed Surface, Deduct</i>		-182.97	
27 14 13 16-0143 Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0001)					
27 14 13 16-0144	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,381.07	607.53
27 14 13 16-0145	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,914.90	629.54
27 14 13 16-0146	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,276.54	651.54
27 14 13 16-0147	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,444.11	673.56
27 14 13 16-0148	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		3,146.31	718.35
27 14 13 16-0149	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		3,437.39	763.94
27 14 13 16-0150	MLF	8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		4,541.31	855.11
27 14 13 16-0151	MLF	12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		5,490.12	1,126.26
27 14 13 16-0152	MLF	24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		8,443.70	1,663.85
27 14 13 16-0153	MLF	1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,169.50	534.44
27 14 13 16-0154	MLF	2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,605.14	554.09
27 14 13 16-0155	MLF	3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,957.65	573.74
27 14 13 16-0156	MLF	4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,109.33	592.61
27 14 13 16-0157	MLF	5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,705.85	632.69
27 14 13 16-0158	MLF	6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		3,128.96	672.77
27 14 13 16-0159	MLF	8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		3,551.78	752.15
27 14 13 16-0160	MLF	12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		4,543.50	991.08
27 14 13 16-0161	MLF	24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		7,541.07	1,464.22
27 14 13 16-0162	MLF	1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,000.76	486.51
27 14 13 16-0163	MLF	2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,265.30	503.79
27 14 13 16-0164	MLF	3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,520.40	521.08
27 14 13 16-0165	MLF	4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,665.32	539.16
27 14 13 16-0166	MLF	5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,840.89	575.32
27 14 13 16-0167	MLF	6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,050.23	611.46
27 14 13 16-0168	MLF	8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,297.88	683.77
27 14 13 16-0169	MLF	12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		3,267.89	901.48
27 14 13 16-0170	MLF	24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		5,055.46	1,331.39
27 14 13 16-0171	MLF	25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		5,428.04	1,362.83
27 14 13 16-0172	MLF	36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		6,490.23	1,586.82
27 14 13 16-0173	MLF	40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		6,992.74	1,698.43
27 14 13 16-0174	MLF	50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		8,250.62	2,122.84
27 14 13 16-0175	MLF	100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		11,326.99	2,794.82
27 14 13 16-0176	MLF	250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		22,607.36	5,147.94
27 14 13 16-0177	MLF	500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		36,244.38	8,612.58
27 14 13 16-0178	MLF	750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		49,787.30	8,584.89
27 14 13 16-0179	MLF	1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		70,851.54	11,775.82
27 14 13 16-0180	MLF	1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		932.14	486.51
27 14 13 16-0181	MLF	2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,111.83	503.79
27 14 13 16-0182	MLF	3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,285.50	521.08
27 14 13 16-0183	MLF	4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,388.96	539.16
27 14 13 16-0184	MLF	5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,523.08	575.32
27 14 13 16-0185	MLF	6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,678.50	611.46
27 14 13 16-0186	MLF	8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		1,880.52	683.77
27 14 13 16-0187	MLF	12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		2,631.59	901.48
27 14 13 16-0188	MLF	24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		4,033.33	1,331.39
27 14 13 16-0189	MLF	25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		4,290.63	1,362.83
27 14 13 16-0190	MLF	36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		5,119.18	1,586.82
27 14 13 16-0191	MLF	40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		5,493.15	1,698.43
27 14 13 16-0192	MLF	50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		6,552.38	2,122.84
27 14 13 16-0193	MLF	100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		8,923.82	2,794.82
27 14 13 16-0194	MLF	250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		17,521.63	5,147.94
27 14 13 16-0195	MLF	500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		27,265.44	6,812.58
27 14 13 16-0196	MLF	750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		36,988.80	8,584.89
27 14 13 16-0197	MLF	1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....		52,374.56	11,775.82
27 14 13 16-0198 Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0001)					
27 14 13 16-0199	MLF	1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....		1,463.32	607.53
27 14 13 16-0200	MLF	2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....		1,856.56	629.54
27 14 13 16-0201	MLF	3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....		2,079.01	651.54
27 14 13 16-0202	MLF	4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....		2,395.41	673.56
27 14 13 16-0203	MLF	5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....		2,720.06	718.35
27 14 13 16-0204	MLF	6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....		3,043.12	763.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 13 16-0205	MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,846.88	855.11
27 14 13 16-0206	MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,951.65	1,126.26
27 14 13 16-0207	MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,431.21	1,663.85
27 14 13 16-0208	MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,273.97	534.44
27 14 13 16-0209	MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,609.71	554.09
27 14 13 16-0210	MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,800.29	573.74
27 14 13 16-0211	MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,070.07	592.61
27 14 13 16-0212	MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,348.02	632.69
27 14 13 16-0213	MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,625.18	672.77
27 14 13 16-0214	MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,312.26	752.15
27 14 13 16-0215	MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,264.99	991.08
27 14 13 16-0216	MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,399.33	1,464.22
27 14 13 16-0217	MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,080.45	486.51
27 14 13 16-0218	MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,367.25	503.79
27 14 13 16-0219	MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,554.69	521.08
27 14 13 16-0220	MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,930.44	539.16
27 14 13 16-0221	MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,207.10	575.32
27 14 13 16-0222	MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,826.98	611.46
27 14 13 16-0223	MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,157.92	683.77
27 14 13 16-0224	MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,892.85	901.48
27 14 13 16-0225	MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,944.81	1,331.39
27 14 13 16-0226	MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,415.50	1,362.83
27 14 13 16-0227	MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,723.11	1,586.82
27 14 13 16-0228	MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	8,294.61	1,698.43
27 14 13 16-0229	MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	9,724.95	2,122.84
27 14 13 16-0230	MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	13,413.32	2,794.82
27 14 13 16-0231	MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	27,023.71	5,147.94
27 14 13 16-0232	MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	44,041.04	6,812.58
27 14 13 16-0233	MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	60,899.32	8,584.89
27 14 13 16-0234	MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	86,893.94	11,775.04
27 14 13 16-0235	MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	983.11	486.51
27 14 13 16-0236	MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,177.06	503.79
27 14 13 16-0237	MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,307.45	521.08
27 14 13 16-0238	MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,558.55	539.16
27 14 13 16-0239	MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,757.33	575.32
27 14 13 16-0240	MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,175.38	611.46
27 14 13 16-0241	MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,430.69	683.77
27 14 13 16-0242	MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	3,031.36	901.48
27 14 13 16-0243	MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,602.22	1,331.39
27 14 13 16-0244	MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	4,922.28	1,362.83
27 14 13 16-0245	MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	5,893.23	1,586.82
27 14 13 16-0246	MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	6,325.94	1,698.43
27 14 13 16-0247	MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	7,495.47	2,122.84
27 14 13 16-0248	MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	10,258.40	2,794.82
27 14 13 16-0249	MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	20,346.45	5,147.94
27 14 13 16-0250	MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	32,252.83	6,812.58
27 14 13 16-0251	MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	44,097.67	8,584.89
27 14 13 16-0252	MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	62,638.16	11,775.82

27 14 13 16-0253 Copper Telecommunications Cable (27 14 13 16)

27 14 13 16-0254 Indoor Telecommunications Cable (27 14 13 16-0253)

Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.

27 14 13 16-0255 Category 3, Indoor Telecommunications Cable (27 14 13 16-0254)

Note: Un-shielded twisted pair cables (UTP).

27 14 13 16-0256 Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0255)

27 14 13 16-0257 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0256)

27 14 13 16-0258 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0257)

27 14 13 16-0259	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	682.64	361.07
27 14 13 16-0260	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	717.04	361.07
27 14 13 16-0261	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	729.08	361.07
27 14 13 16-0262	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	883.85	412.65
27 14 13 16-0263	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,136.72	412.65
27 14 13 16-0264	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,539.24	412.65
27 14 13 16-0265	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,471.50	515.81
27 14 13 16-0266	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,480.44	825.31
27 14 13 16-0267	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,090.44	928.47
27 14 13 16-0268	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,118.44	1,031.64
27 14 13 16-0269	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,881.88	1,444.29
27 14 13 16-0270	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,586.89	1,784.72
27 14 13 16-0271	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	24,302.49	2,475.92
27 14 13 16-0272	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	39,395.17	4,951.83
27 14 13 16-0273	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	53,498.73	7,427.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0274 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0257)</small>		
27 14 13 16-0275 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,284.42	722.14
27 14 13 16-0276 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,318.82	722.14
27 14 13 16-0277 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,330.86	722.14
27 14 13 16-0278 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,399.67	722.14
27 14 13 16-0279 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,652.54	722.14
27 14 13 16-0280 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,227.00	825.31
27 14 13 16-0281 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,331.20	1,031.64
27 14 13 16-0282 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	5,168.19	1,237.96
27 14 13 16-0283 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	6,864.17	1,392.70
27 14 13 16-0284 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	8,978.13	1,547.45
27 14 13 16-0285 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	13,085.45	2,166.42
27 14 13 16-0286 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	17,082.75	2,682.25
27 14 13 16-0287 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	26,365.75	3,713.88
27 14 13 16-0288 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	43,521.70	7,427.76
27 14 13 16-0289 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	59,688.52	11,141.64
27 14 13 16-0290 22 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0256)</small>		
27 14 13 16-0291 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0290)</small>		
27 14 13 16-0292 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,500.30	412.65
27 14 13 16-0293 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,737.03	515.81
27 14 13 16-0294 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,839.83	825.31
27 14 13 16-0295 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	12,204.90	1,031.64
27 14 13 16-0296 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	18,053.87	1,444.29
27 14 13 16-0297 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	23,528.21	1,784.72
27 14 13 16-0298 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	34,727.29	2,475.92
27 14 13 16-0299 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0290)</small>		
27 14 13 16-0300 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,188.06	825.31
27 14 13 16-0301 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,596.73	1,031.64
27 14 13 16-0302 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,527.58	1,237.96
27 14 13 16-0303 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	13,064.59	1,547.45
27 14 13 16-0304 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	19,257.44	2,166.42
27 14 13 16-0305 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	25,024.07	2,682.25
27 14 13 16-0306 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	36,790.55	3,713.88
27 14 13 16-0307 Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0255)</small>		
27 14 13 16-0308 24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0307)</small>		
27 14 13 16-0309 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0308)</small>		
27 14 13 16-0310 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	705.01	361.07
27 14 13 16-0311 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	739.40	361.07
27 14 13 16-0312 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	763.49	361.07
27 14 13 16-0313 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	919.98	412.65
27 14 13 16-0314 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,183.16	412.65
27 14 13 16-0315 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,900.47	412.65
27 14 13 16-0316 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,195.70	515.81
27 14 13 16-0317 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	6,049.23	825.31
27 14 13 16-0318 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	10,509.50	1,031.64
27 14 13 16-0319 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	15,760.87	1,444.29
27 14 13 16-0320 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0308)</small>		
27 14 13 16-0321 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,306.79	722.14
27 14 13 16-0322 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,341.18	722.14
27 14 13 16-0323 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,365.27	722.14
27 14 13 16-0324 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,435.80	722.14
27 14 13 16-0325 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,698.98	722.14
27 14 13 16-0326 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,588.23	825.31
27 14 13 16-0327 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,055.40	1,031.64
27 14 13 16-0328 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,736.98	1,237.96
27 14 13 16-0329 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	11,369.19	1,547.45
27 14 13 16-0330 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,964.44	2,166.42
27 14 13 16-0331 Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		
27 14 13 16-0332 Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0331)</small>		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0333 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0332)</small>		
27 14 13 16-0334 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	791.01	361.07
27 14 13 16-0335 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	835.45	361.07
27 14 13 16-0336 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	922.28	412.65
27 14 13 16-0337 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	966.99	412.65
27 14 13 16-0338 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0332)</small>		
27 14 13 16-0339 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,392.79	722.14
27 14 13 16-0340 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,437.23	722.14
27 14 13 16-0341 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,610.04	825.31
27 14 13 16-0342 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,654.75	825.31
27 14 13 16-0343 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0331)</small>		
27 14 13 16-0344 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0343)</small>		
27 14 13 16-0345 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	938.94	361.07
27 14 13 16-0346 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,356.19	412.65
27 14 13 16-0347 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0343)</small>		
27 14 13 16-0348 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,540.72	722.14
27 14 13 16-0349 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,043.95	825.31
27 14 13 16-0350 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		
27 14 13 16-0351 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0350)</small>		
27 14 13 16-0352 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0351)</small>		
27 14 13 16-0353 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	901.10	361.07
27 14 13 16-0354 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	934.56	361.07
27 14 13 16-0355 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0351)</small>		
27 14 13 16-0356 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,502.88	722.14
27 14 13 16-0357 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,536.34	722.14
27 14 13 16-0358 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0350)</small>		
27 14 13 16-0359 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0358)</small>		
27 14 13 16-0360 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,210.73	361.07
27 14 13 16-0361 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0359)</small>		
27 14 13 16-0362 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,812.51	722.14
27 14 13 16-0363 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		
27 14 13 16-0364 Category 6a, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0363)</small>		
27 14 13 16-0365 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0364)</small>		
27 14 13 16-0366 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit.....	954.57	361.07
27 14 13 16-0367 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0364)</small>		
27 14 13 16-0368 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,556.35	722.14
27 14 13 16-0369 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0363)</small>		
27 14 13 16-0370 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0369)</small>		
27 14 13 16-0371 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,369.00	361.07
27 14 13 16-0372 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0369)</small>		
27 14 13 16-0373 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,970.78	722.14
27 14 13 16-0374 Category 7, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0375 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0374)</small>		
27 14 13 16-0376 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,047.73	412.65
27 14 13 16-0377 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	4,007.54	412.65
27 14 13 16-0378 Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 13 16-0374)</small>		
27 14 13 16-0379 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,735.49	825.31
27 14 13 16-0380 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,695.30	825.31
27 14 13 16-0381 Outdoor Telecommunications Cable <small>(27 14 13 16-0253)</small>		
Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0382 PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0381)</small>		
Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0383 24 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0382)</small>		
27 14 13 16-0384 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0383)</small>		
27 14 13 16-0385 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,523.88	722.14
27 14 13 16-0386 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,659.36	722.14
27 14 13 16-0387 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,951.22	722.14
27 14 13 16-0388 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,507.22	722.14
27 14 13 16-0389 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,059.85	722.14
27 14 13 16-0390 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,613.77	722.14
27 14 13 16-0391 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,120.97	928.47
27 14 13 16-0392 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,979.58	1,341.12
27 14 13 16-0393 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,880.31	1,753.77
27 14 13 16-0394 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,127.61	2,372.76
27 14 13 16-0395 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,244.55	4,745.51
27 14 13 16-0396 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,282.22	7,015.11
27 14 13 16-0397 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0383)</small>		
27 14 13 16-0398 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,265.97	
27 14 13 16-0399 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,401.45	
27 14 13 16-0400 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,880.31	
27 14 13 16-0401 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,249.31	
27 14 13 16-0402 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,801.94	
27 14 13 16-0403 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,355.86	
27 14 13 16-0404 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,949.03	
27 14 13 16-0405 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,463.77	
27 14 13 16-0406 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	10,805.69	
27 14 13 16-0407 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,236.28	
27 14 13 16-0408 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,086.40	
27 14 13 16-0409 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	28,716.90	
27 14 13 16-0410 22 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0382)</small>		
27 14 13 16-0411 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0410)</small>		
27 14 13 16-0412 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,610.01	722.14
27 14 13 16-0413 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,820.28	722.14
27 14 13 16-0414 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,280.60	722.14
27 14 13 16-0415 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,093.49	722.14
27 14 13 16-0416 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,976.03	722.14
27 14 13 16-0417 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,859.29	722.14
27 14 13 16-0418 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,523.75	928.47
27 14 13 16-0419 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,406.43	1,341.12
27 14 13 16-0420 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,500.00	1,753.77
27 14 13 16-0421 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,195.03	2,372.76
27 14 13 16-0422 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	36,433.04	4,745.51
27 14 13 16-0423 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	51,525.13	7,015.11
27 14 13 16-0424 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0410)</small>		
27 14 13 16-0425 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,352.10	
27 14 13 16-0426 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,562.37	
27 14 13 16-0427 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,022.69	
27 14 13 16-0428 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,835.58	
27 14 13 16-0429 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,718.12	
27 14 13 16-0430 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,601.38	
27 14 13 16-0431 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,351.81	
27 14 13 16-0432 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,890.62	
27 14 13 16-0433 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,425.38	
27 14 13 16-0434 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	22,303.70	
27 14 13 16-0435 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	31,274.89	
27 14 13 16-0436 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	43,959.81	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 13 16-0437	19 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0382)		
27 14 13 16-0438	19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0437)		
27 14 13 16-0439	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,296.03	722.14
27 14 13 16-0440	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,078.33	722.14
27 14 13 16-0441	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,506.68	722.14
27 14 13 16-0442	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,790.67	722.14
27 14 13 16-0443	19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0437)		
27 14 13 16-0444	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,038.12	
27 14 13 16-0445	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,820.42	
27 14 13 16-0446	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,248.77	
27 14 13 16-0447	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,532.76	
27 14 13 16-0448	PE-39 Outdoor Telecommunications Cable (27 14 13 16-0381)		
Note: Includes solid polyolefin insulated conductors.			
27 14 13 16-0449	24 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0448)		
27 14 13 16-0450	24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0449)		
27 14 13 16-0451	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,535.99	722.14
27 14 13 16-0452	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,701.74	722.14
27 14 13 16-0453	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,036.13	722.14
27 14 13 16-0454	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,638.30	722.14
27 14 13 16-0455	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,858.60	722.14
27 14 13 16-0456	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,683.18	928.47
27 14 13 16-0457	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,746.46	1,341.12
27 14 13 16-0458	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,814.75	1,753.77
27 14 13 16-0459	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,491.96	2,372.76
27 14 13 16-0460	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	28,008.99	4,745.51
27 14 13 16-0461	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,858.45	7,015.11
27 14 13 16-0462	24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0449)		
27 14 13 16-0463	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,278.08	
27 14 13 16-0464	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,443.83	
27 14 13 16-0465	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,778.22	
27 14 13 16-0466	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,380.39	
27 14 13 16-0467	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,601.69	
27 14 13 16-0468	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,511.24	
27 14 13 16-0469	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,230.65	
27 14 13 16-0470	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	11,740.13	
27 14 13 16-0471	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,600.63	
27 14 13 16-0472	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,850.84	
27 14 13 16-0473	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	33,293.13	
27 14 13 16-0474	22 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0448)		
27 14 13 16-0475	22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0474)		
27 14 13 16-0476	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,631.82	722.14
27 14 13 16-0477	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,875.38	722.14
27 14 13 16-0478	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,393.69	722.14
27 14 13 16-0479	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,347.19	722.14
27 14 13 16-0480	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,337.03	722.14
27 14 13 16-0481	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,526.46	928.47
27 14 13 16-0482	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,943.50	1,341.12
27 14 13 16-0483	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,890.98	1,753.77
27 14 13 16-0484	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,929.81	2,372.76
27 14 13 16-0485	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,052.59	4,745.51
27 14 13 16-0486	22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0474)		
27 14 13 16-0487	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,373.91	
27 14 13 16-0488	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,617.47	
27 14 13 16-0489	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,135.78	
27 14 13 16-0490	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,089.28	
27 14 13 16-0491	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,079.12	
27 14 13 16-0492	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,354.52	
27 14 13 16-0493	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	13,427.69	
27 14 13 16-0494	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,816.36	
27 14 13 16-0495	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	23,038.48	
27 14 13 16-0496	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	34,894.44	



Communications	27
Structured Cabling	27 10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0497	19 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0448)</small>	
27 14 13 16-0498	19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0497)</small>	
27 14 13 16-0499	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,541.86
27 14 13 16-0500	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,475.70
27 14 13 16-0501	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,485.79
27 14 13 16-0502	19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0497)</small>	
27 14 13 16-0503	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,283.95
27 14 13 16-0504	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,217.79
27 14 13 16-0505	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,227.88
27 14 13 16-0506	(Aerial) Outdoor Telecommunications Cable <small>(27 14 13 16-0381)</small> Note: Includes support wire.	
27 14 13 16-0507	24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 14 13 16-0506)</small>	
27 14 13 16-0508	MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	4,588.73
27 14 13 16-0509	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	4,726.64
27 14 13 16-0510	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,069.05
27 14 13 16-0511	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,703.01
27 14 13 16-0512	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,927.49
27 14 13 16-0513	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	9,716.46
27 14 13 16-0514	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	12,520.59
27 14 13 16-0515	22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 14 13 16-0506)</small>	
27 14 13 16-0516	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	4,753.73
27 14 13 16-0517	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	4,957.48
27 14 13 16-0518	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,448.25
27 14 13 16-0519	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,417.80
27 14 13 16-0520	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	8,763.26
27 14 13 16-0521	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	12,848.02
27 14 13 16-0522	19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 14 13 16-0506)</small>	
27 14 13 16-0523	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	4,971.87
27 14 13 16-0524	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	5,432.65
27 14 13 16-0525	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	6,338.63
27 14 13 16-0526	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	8,150.59
27 14 13 16-0527	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles.....	12,003.15
27 14 13 16-0528	Sound System Cables <small>(27 14 13 16)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.	
27 14 13 16-0529	Sound System Cables, Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0528)</small>	
27 14 13 16-0530	MLF 2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,224.01
27 14 13 16-0531	MLF 2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,286.94
27 14 13 16-0532	MLF 2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,240.54
27 14 13 16-0533	MLF 2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,303.70
27 14 13 16-0534	MLF 2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,265.45
27 14 13 16-0535	MLF 2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,349.83
27 14 13 16-0536	MLF 2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed.....	1,291.12
27 14 13 16-0537	MLF 4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed.....	1,312.59
27 14 13 16-0538	MLF 2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed.....	1,224.55
27 14 13 16-0539	MLF 4 Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed.....	1,392.40
27 14 13 16-0540	Sound System Cables, Communications And Control Cable, Installed In Conduit <small>(27 14 13 16-0528)</small>	
27 14 13 16-0541	MLF 2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	673.84
27 14 13 16-0542	MLF 2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	736.77
27 14 13 16-0543	MLF 2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	690.37
27 14 13 16-0544	MLF 2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	753.53
27 14 13 16-0545	MLF 2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit.....	715.28
27 14 13 16-0546	MLF 2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit.....	799.66
27 14 13 16-0547	MLF 2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit.....	740.95
27 14 13 16-0548	MLF 4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit.....	762.42
27 14 13 16-0549	MLF 2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit.....	674.38

27	27	Communications
	27 10	Structured Cabling
	27 14	Communications Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 13 16-0550	MLF	4	Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit	842.23	275.08
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27 14 23 Communications Optical Fiber Cabling (27 14)**27 14 23 13 Communications Optical Fiber Splicing And Terminations (27 14 23)****27 14 23 13-0001 Fiber Optic Cable Connectors (27 14 23 13)**

27 14 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	24.23	
27 14 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	27.72	
27 14 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	26.82	
27 14 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	31.27	
27 14 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	36.48	
27 14 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	37.52	
27 14 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	53.62	

27 14 23 13-0009 Fiber Optic Cable Fan Out Kits (27 14 23 13)**27 14 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)**

27 14 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	197.03	
27 14 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	200.48	
27 14 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	239.37	
27 14 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	273.14	

27 14 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.

27 14 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	240.47	
27 14 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	265.83	
27 14 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	368.32	
27 14 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	479.66	

27 14 23 13-0020 Fiber Optic Cable Splice Closures (27 14 23 13)

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 14 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	541.23	85.97
27 14 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	713.17	171.94
27 14 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	713.17	171.94
27 14 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	875.38	85.97
27 14 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,047.32	171.94
27 14 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,047.32	171.94
27 14 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure	40.11	10.74

Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.

27 14 23 13-0028 Fiber Optic Cable Splicing (27 14 23 13)

27 14 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	25.80	
27 14 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	85.97	

27 14 23 13-0031 Fiber Optic Cable Testing (27 14 23 13)

Note: Price based on testing one wavelength.

27 14 23 13-0032 Fiber Optic Cable Testing Using An OTDR (27 14 23 13-0031)

Note: Testing using an optical time domain reflectometer.

27 14 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	17.20	
		For >12 To 48 Strands, Deduct	-1.29	
		For >48 Strands, Deduct	-1.72	
27 14 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	25.80	
		For >12 To 48 Strands, Deduct	-1.94	
		For >48 Strands, Deduct	-2.58	
27 14 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	42.98	
		For >12 To 48 Strands, Deduct	-3.22	
		For >48 Strands, Deduct	-4.30	
27 14 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	64.48	
		For >12 To 48 Strands, Deduct	-4.84	
		For >48 Strands, Deduct	-6.45	

27 14 23 13-0037 Fiber Optic Cable Testing Using A Power Meter (27 14 23 13-0031)

27 14 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	17.20	
		For >12 To 48 Strands, Deduct	-1.29	
		For >48 Strands, Deduct	-1.72	
27 14 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	25.80	
		For >12 To 48 Strands, Deduct	-1.94	
		For >48 Strands, Deduct	-2.58	

27 14 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing (27 14 23 13-0031)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	17.20	
<i>For >12 To 48 Strands, Deduct</i>	-1.29	
<i>For >48 Strands, Deduct</i>	-1.72	
27 14 23 13-0042 Other Fiber Optic Cable Equipment <small>(27 14 23 13)</small>		
27 14 23 13-0043 EA 8 Port Ethernet Switch	612.79	169.13
27 14 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth	824.21	169.13
<i>Note: Patch antenna with 1 meter 3' SMA-N cable</i>		
27 14 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHZ Wireless Ethernet Bridge.....	18,000.77	169.13
<i>Note: 8VDC input</i>		
27 14 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	190.37	21.18
27 14 23 13-0047 EA Hardened Ethernet Switch	1,935.81	84.67
27 14 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station	50,040.73	2,032.05
27 14 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station	62,250.92	2,709.42
27 14 23 13-0050 EA Fiber Break Out Box For 24 Fiber	886.93	169.34
27 14 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	958.83	84.67
27 14 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	810.80	84.67
27 14 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input	1,043.50	127.00
27 14 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems)	768.08	
27 14 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.....	768.08	
27 14 23 13-0056 Other Fiber Optic Cable Splicing <small>(27 14 23 13)</small>		
27 14 23 13-0057 EA Fiber Optic Finger Splice	26.61	16.16
27 14 23 13-0058 EA Fiber Optic Splice Box - Manholes.....	2,986.64	
27 14 23 16 Communications Optical Fiber Cabling <small>(27 14 23)</small>		
27 14 23 16-0001 Indoor Fiber Optic Cable <small>(27 14 23 16)</small>		
<i>Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.</i>		
27 14 23 16-0002 Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0001)</small>		
<i>Note: Excludes conduit or innerduct.</i>		
27 14 23 16-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	782.40	309.49
27 14 23 16-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	862.74	309.49
27 14 23 16-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	889.57	309.49
27 14 23 16-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	985.10	309.49
<i>For Aluminum Armored Cable, Add</i>	1,173.16	
<i>For Steel Armored Cable, Add</i>	1,246.15	
27 14 23 16-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,012.49	309.49
27 14 23 16-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,178.05	309.49
<i>For Aluminum Armored Cable, Add</i>	1,213.20	
<i>For Steel Armored Cable, Add</i>	1,294.36	
27 14 23 16-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,065.41	361.07
27 14 23 16-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,949.83	361.07
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,517.83	
<i>For Steel Armored Cable, Add</i>	1,486.52	
27 14 23 16-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,621.99	361.07
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,600.08	
<i>For Steel Armored Cable, Add</i>	1,423.75	
27 14 23 16-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,752.36	361.07
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,678.80	
<i>For Steel Armored Cable, Add</i>	1,492.07	
27 14 23 16-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,574.46	361.07
27 14 23 16-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,793.08	361.07
27 14 23 16-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,943.05	361.07
27 14 23 16-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,005.83	412.65
27 14 23 16-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,573.99	412.65
27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	805.53	309.49
27 14 23 16-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	902.00	309.49
27 14 23 16-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,032.15	309.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,243.39	309.49
For Aluminum Armored Cable, Add	1,154.47	
For Steel Armored Cable, Add	1,224.14	
27 14 23 16-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,347.93	309.49
27 14 23 16-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,749.98	309.49
For Aluminum Armored Cable, Add	1,184.55	
For Steel Armored Cable, Add	1,262.02	
27 14 23 16-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,424.48	361.07
27 14 23 16-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,888.74	361.07
For Aluminum Armored Cable With Sub-Units, Add	1,660.25	
For Steel Armored Cable, Add	1,630.38	
27 14 23 16-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,974.28	361.07
27 14 23 16-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,939.66	361.07
For Aluminum Armored Cable With Sub-Units, Add	1,786.09	
27 14 23 16-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,874.43	361.07
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,867.94	361.07
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,092.35	361.07
For Aluminum Armored Cable With Sub-Units, Add	1,319.14	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,801.19	412.65
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,192.04	412.65
27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	820.02	309.49
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	921.30	309.49
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,057.97	309.49
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,279.77	309.49
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,389.53	309.49
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,811.69	309.49
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,565.61	361.07
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,053.08	361.07
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,192.90	361.07
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,206.55	361.07
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,188.06	361.07
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,231.25	361.07
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,566.87	361.07
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,506.86	412.65
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,117.25	412.65
27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,527.03	309.49
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,826.67	309.49
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,485.85	309.49
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,800.43	309.49
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,943.59	309.49
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,208.52	361.07
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,589.30	361.07
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,328.35	361.07
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,463.19	361.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0064				50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0063)</small>		
27 14 23 16-0065	MLF			2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,817.55	309.49
27 14 23 16-0066	MLF			4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,962.02	309.49
27 14 23 16-0067	MLF			6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,553.33	309.49
27 14 23 16-0068	MLF			8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,129.41	309.49
27 14 23 16-0069	MLF			12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,832.55	309.49
27 14 23 16-0070	MLF			18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,992.64	361.07
27 14 23 16-0071	MLF			24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,435.74	361.07
27 14 23 16-0072	MLF			36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,697.12	361.07
27 14 23 16-0073	MLF			48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,624.35	361.07
27 14 23 16-0074				62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0075	MLF			2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,882.64	309.49
27 14 23 16-0076	MLF			4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,034.33	309.49
27 14 23 16-0077	MLF			6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,655.21	309.49
27 14 23 16-0078	MLF			8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,260.09	309.49
27 14 23 16-0079	MLF			12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,998.39	309.49
27 14 23 16-0080	MLF			18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,212.18	361.07
27 14 23 16-0081	MLF			24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,727.44	361.07
27 14 23 16-0082	MLF			36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,151.88	361.07
27 14 23 16-0083	MLF			48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,225.48	361.07
27 14 23 16-0084				Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0085				Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0086				Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0087	MLF			1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	724.90	309.49
27 14 23 16-0088	MLF			2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	728.06	309.49
27 14 23 16-0089	MLF			4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	893.69	309.49
27 14 23 16-0090	MLF			6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	913.08	309.49
				<i>For Aluminum Armored Cable, Add</i>	897.57	
				<i>For Steel Armored Cable, Add</i>	1,501.91	
27 14 23 16-0091	MLF			8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,010.65	309.49
27 14 23 16-0092	MLF			12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,028.90	309.49
				<i>For Aluminum Armored Cable, Add</i>	962.09	
				<i>For Steel Armored Cable, Add</i>	1,566.37	
27 14 23 16-0093	MLF			18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,274.49	361.07
27 14 23 16-0094	MLF			24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,901.76	361.07
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	625.78	
				<i>For Steel Armored Cable, Add</i>	715.02	
27 14 23 16-0095	MLF			36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,562.05	361.07
27 14 23 16-0096	MLF			48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,679.01	361.07
				<i>For Aluminum Armored Cable With Sub-Units, Add</i>	120.01	
				<i>For Steel Armored Cable, Add</i>	260.61	
27 14 23 16-0097	MLF			60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,630.77	361.07
27 14 23 16-0098	MLF			72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,646.96	361.07
27 14 23 16-0099	MLF			96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,758.80	361.07
27 14 23 16-0100				50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0101	MLF			1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	803.98	309.49
27 14 23 16-0102	MLF			2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	794.29	309.49
27 14 23 16-0103	MLF			4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,035.53	309.49

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,128.80	309.49
<i>For Aluminum Armored Cable, Add</i>	1,011.09	
<i>For Steel Armored Cable, Add</i>	1,615.40	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,346.41	309.49
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,629.29	309.49
<i>For Aluminum Armored Cable, Add</i>	1,020.17	
<i>For Steel Armored Cable, Add</i>	1,624.44	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,051.74	361.07
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,365.37	361.07
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	286.22	
<i>For Steel Armored Cable, Add</i>	568.31	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,519.24	361.07
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,292.61	361.07
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	140.24	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,287.74	361.07
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,834.07	361.07
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,996.66	361.07
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,183.24	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	818.38	309.49
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	808.22	309.49
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,061.52	309.49
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,159.45	309.49
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,387.94	309.49
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,684.96	309.49
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,224.24	361.07
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,553.55	361.07
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,815.11	361.07
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,627.15	361.07
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,672.04	361.07
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,295.68	361.07
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,616.41	361.07
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,443.38	309.49
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,807.94	309.49
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,684.34	309.49
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,543.24	309.49
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,914.03	309.49
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,451.95	361.07
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,226.75	361.07
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,809.01	361.07
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,499.39	361.07
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,091.60	309.49
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,868.05	309.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,325.94	309.49
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,965.76	309.49
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,187.08	309.49
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,874.43	361.07
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,257.98	361.07
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,069.86	361.07
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,283.39	361.07
27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,170.39	309.49
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,985.66	309.49
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,466.45	309.49
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,138.26	309.49
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,420.64	309.49
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,188.06	361.07
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,640.79	361.07
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,643.26	361.07
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,067.47	361.07
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small>		
<small>Note: For non-conduit installations such as cable trays, surface runways, etc.</small>		
27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	954.34	412.65
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,034.68	412.65
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,061.51	412.65
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,157.04	412.65
<i>For Aluminum Armored Cable, Add</i>		1,173.16
<i>For Steel Armored Cable, Add</i>		1,246.15
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,184.43	412.65
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,349.99	412.65
<i>For Aluminum Armored Cable, Add</i>		1,213.20
<i>For Steel Armored Cable, Add</i>		1,294.36
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,237.35	464.23
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,121.77	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,517.83
<i>For Steel Armored Cable, Add</i>		1,486.52
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,793.93	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,600.08
<i>For Steel Armored Cable, Add</i>		1,423.75
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,924.30	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,678.80
<i>For Steel Armored Cable, Add</i>		1,492.07
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,746.40	464.23
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,965.02	464.23
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,114.99	464.23
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,177.77	515.81
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,745.93	515.81
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	977.47	412.65
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,073.94	412.65
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,204.09	412.65

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,415.33 1,154.47 1,224.14	412.65
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,519.87	412.65
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,921.92 1,184.55 1,262.02	412.65
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,596.42	464.23
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	4,060.68 1,660.25 1,630.38	464.23
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,146.22	464.23
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,111.60 1,786.09	464.23
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,046.37	464.23
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,039.88	464.23
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ... <i>For Aluminum Armored Cable With Sub-Units, Add</i>	10,264.29 1,319.14	464.23
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,973.13	515.81
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,363.98	515.81
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	991.96	412.65
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,093.24	412.65
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,229.91	412.65
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,451.71	412.65
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,561.47	412.65
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,983.63	412.65
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,737.55	464.23
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,225.02	464.23
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,364.84	464.23
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,378.49	464.23
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,360.00	464.23
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,403.19	464.23
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,738.81	464.23
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,678.80	515.81
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,289.19	515.81
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,698.97	412.65
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,998.61	412.65
27 14 23 16-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,657.79	412.65
27 14 23 16-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,972.37	412.65
27 14 23 16-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,115.53	412.65
27 14 23 16-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,380.46	464.23
27 14 23 16-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,761.24	464.23
27 14 23 16-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,500.29	464.23
27 14 23 16-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,635.13	464.23
27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,989.49	412.65
27 14 23 16-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,133.96	412.65
27 14 23 16-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,725.27	412.65
27 14 23 16-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,301.35	412.65
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,004.49	412.65
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,164.58	464.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,607.68	464.23
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,869.06	464.23
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,796.29	464.23
27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,054.58	412.65
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,206.27	412.65
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,827.15	412.65
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,432.03	412.65
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,170.33	412.65
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,384.12	464.23
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,899.38	464.23
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,323.82	464.23
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,397.42	464.23
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	896.84	412.65
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	900.00	412.65
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,065.63	412.65
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,085.02	412.65
<i>For Aluminum Armored Cable, Add</i>	897.57	
<i>For Steel Armored Cable, Add</i>	1,501.91	
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,182.59	412.65
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,200.84	412.65
<i>For Aluminum Armored Cable, Add</i>	962.09	
<i>For Steel Armored Cable, Add</i>	1,566.37	
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,446.43	464.23
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,073.70	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	625.78	
<i>For Steel Armored Cable, Add</i>	715.02	
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,733.99	464.23
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,850.95	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	120.01	
<i>For Steel Armored Cable, Add</i>	260.61	
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,802.71	464.23
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,818.90	464.23
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,930.74	464.23
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	975.92	412.65
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	966.23	412.65
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,207.47	412.65
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,300.74	412.65
<i>For Aluminum Armored Cable, Add</i>	1,011.09	
<i>For Steel Armored Cable, Add</i>	1,615.40	
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,518.35	412.65
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,801.23	412.65
<i>For Aluminum Armored Cable, Add</i>	1,020.17	
<i>For Steel Armored Cable, Add</i>	1,624.44	
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,223.68	464.23
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,537.31	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	286.22	
<i>For Steel Armored Cable, Add</i>	568.31	
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,691.18	464.23
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,464.55	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	140.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,459.68	464.23
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,006.01	464.23
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,168.60	464.23
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,183.24</i>	
27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	990.32	412.65
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	980.16	412.65
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,233.46	412.65
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,331.39	412.65
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,559.88	412.65
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,856.90	412.65
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,396.18	464.23
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,725.49	464.23
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,987.05	464.23
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,799.09	464.23
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,843.98	464.23
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,467.62	464.23
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,788.35	464.23
27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,615.32	412.65
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,979.88	412.65
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,856.28	412.65
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,715.18	412.65
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,085.97	412.65
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,623.89	464.23
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,398.69	464.23
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,980.95	464.23
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,671.33	464.23
27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,263.54	412.65
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,039.99	412.65
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,497.88	412.65
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,137.70	412.65
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,359.02	412.65
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,046.37	464.23
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,429.92	464.23
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,241.80	464.23
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,455.33	464.23
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,342.33	412.65
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,157.60	412.65
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,638.39	412.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,310.20	412.65
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,592.58	412.65
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,360.00	464.23
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,812.73	464.23
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,815.20	464.23
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,239.41	464.23
27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,168.75	309.49
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,775.37	309.49
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,046.39	361.07
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,758.36	361.07
27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,383.89	309.49
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,086.20	309.49
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,467.71	361.07
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,071.69	361.07
27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,340.69	412.65
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,947.31	412.65
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,218.33	464.23
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,930.30	464.23
27 14 23 16-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0327)		
27 14 23 16-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,555.83	412.65
27 14 23 16-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,258.14	412.65
27 14 23 16-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,639.65	464.23
27 14 23 16-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	10,243.63	464.23
27 14 23 16-0338 Outdoor Fiber Optic Cable (27 14 23 16)		
27 14 23 16-0339 Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0338) Note: Excludes conduit or innerduct.		
27 14 23 16-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0339)		
27 14 23 16-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0340)		
27 14 23 16-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,252.57	618.98
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.66	
27 14 23 16-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,265.12	618.98
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.84	
27 14 23 16-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,277.84	618.98
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,290.39 119.00	618.98
27 14 23 16-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,315.64 119.18	618.98
27 14 23 16-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,375.59 115.00	618.98
27 14 23 16-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,413.23 115.52	618.98
27 14 23 16-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,502.78 122.32	618.98
27 14 23 16-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,597.05 123.54	618.98
27 14 23 16-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,689.91 124.76	618.98
27 14 23 16-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,812.41 150.02	618.98
27 14 23 16-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,054.25 161.00	618.98
27 14 23 16-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,297.31 190.63	618.98
27 14 23 16-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,549.10 205.60	618.98
27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,372.05 119.41	618.98
27 14 23 16-0358 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,502.09 122.14	618.98
27 14 23 16-0359 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,635.20 122.49	618.98
27 14 23 16-0360 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,766.93 123.02	618.98
27 14 23 16-0361 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,030.38 125.11	618.98
27 14 23 16-0362 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,446.81 126.85	618.98
27 14 23 16-0363 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,841.99 128.24	618.98
27 14 23 16-0364 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,645.58 151.59	618.98
27 14 23 16-0365 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,454.06 162.74	618.98
27 14 23 16-0366 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,261.31 173.89	618.98
27 14 23 16-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,109.86 208.91	618.98
27 14 23 16-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,821.07 239.93	618.98
27 14 23 16-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,551.98 289.75	618.98
27 14 23 16-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,317.20 292.20	618.98
27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,308.21 99.94	618.98
27 14 23 16-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,404.30 107.18	618.98
27 14 23 16-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,500.24 114.24	618.98
27 14 23 16-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,618.76 130.05	618.98
27 14 23 16-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,788.50 135.61	618.98
27 14 23 16-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,088.59 144.53	618.98
27 14 23 16-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,372.86 166.21	618.98
27 14 23 16-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,916.91 184.70	618.98
27 14 23 16-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,553.25 212.37	618.98
27 14 23 16-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,141.00 228.52	618.98
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,761.34 258.65	618.98
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,015.99 290.82	618.98



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,290.79 330.05	618.98
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,585.27 303.17	618.98
27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,336.55 148.11	618.98
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,349.28 148.11	618.98
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,361.64 148.81	618.98
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,374.37 148.80	618.98
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,399.28 149.85	618.98
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,454.34 151.24	618.98
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,491.98 152.11	618.98
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,585.89 151.42	618.98
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,680.16 156.82	618.98
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,773.02 158.91	618.98
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,902.84 169.02	618.98
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,151.83 192.53	618.98
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,433.40 200.38	618.98
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,663.22 221.47	618.98
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,455.04 151.41	618.98
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,585.55 155.59	618.98
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,592.92 157.99	618.98
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,847.25 163.09	618.98
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,108.79 170.92	618.98
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,518.42 183.12	618.98
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,910.82 194.62	618.98
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,714.41 236.62	618.98
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,517.83 242.02	618.98
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,323.86 261.72	618.98
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,167.53 288.90	618.98
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,875.44 285.06	618.98
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,694.16 293.59	618.98
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,376.09 333.15	618.98
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,373.09 125.45	618.98
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,467.18 135.61	618.98
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,561.12 145.76	618.98
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,655.21 155.90	618.98

27	Communications
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,898.94 167.69	618.98
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,137.94 196.50	618.98
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,430.79 213.44	618.98
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,997.64 263.71	618.98
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,575.09 302.14	618.98
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,154.53 336.45	618.98
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,763.80 375.20	618.98
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,000.16 442.41	618.98
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,127.28 457.34	618.98
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,531.16 472.12	618.98
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,166.59 118.66	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,179.14 118.84	
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,191.86 118.82	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,204.41 119.00	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,229.66 119.18	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,289.61 115.00	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,327.25 115.52	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,416.80 122.32	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,511.07 123.54	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,603.93 124.76	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,726.43 150.02	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,968.27 161.00	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,211.33 190.63	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,463.12 205.60	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,286.07 119.41	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,416.11 122.14	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,549.22 122.49	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,680.95 123.02	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,944.40 125.11	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,360.83 126.85	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,756.01 128.24	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,559.60 151.59	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,368.08 162.74	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,175.33 173.89	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,023.88 208.91	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,735.09 239.93	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,466.00 289.75	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,231.22 292.20	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,222.23 99.94	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,318.32 107.18	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,414.26 114.24	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,532.78 130.05	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,702.52 135.61	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,002.61 144.53	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,286.88 166.21	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,830.93 184.70	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,467.27 212.37	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,055.02 228.52	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,675.36 258.65	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,930.01 290.82	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,204.81 330.05	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,499.29 303.17	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>14 23 16-0432</small>		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,250.57 148.11	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,263.30 148.11	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,275.66 148.81	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,288.39 148.80	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,313.30 149.85	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,368.36 151.24	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,406.00 152.11	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,499.91 151.42	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,594.18 156.82	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,687.04 158.91	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,816.86 169.02	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,065.85 192.53	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,347.42 200.38	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,577.24 221.47	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,369.06 151.41	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,499.57 155.59	
27 14 23 16-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,506.94 157.99	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,761.27 163.09	
27 14 23 16-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,022.81 170.92	
27 14 23 16-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,432.44 183.12	
27 14 23 16-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,824.84 194.62	
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,628.43 236.62	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,431.85 242.02	
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,237.88 261.72	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,081.55 288.90	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,789.46 285.06	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,608.18 293.59	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,290.11 333.15	
27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,287.11 125.45	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,381.20 135.61	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,475.14 145.76	
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,569.23 155.90	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,812.96 167.69	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,051.96 196.50	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,344.81 213.44	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,911.66 263.71	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,489.11 302.14	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,068.55 336.45	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,677.82 375.20	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,914.18 442.41	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,231.41 457.34	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,445.18 472.12	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0338)</small>		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0525)</small>		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,364.99 115.69	2,287.57
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,379.45 116.22	2,287.57
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,394.09 116.57	2,287.57
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,408.90 116.91	2,287.57
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,437.99 117.79	2,287.57
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,500.90 119.70	2,287.57
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,544.63 121.27	2,287.57
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,652.83 124.41	2,287.57
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,736.65 141.66	2,287.57
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,860.88 144.45	2,287.57



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,976.40 163.43	2,287.57
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,244.21 181.38	2,287.57
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,513.75 211.00	2,287.57
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,798.81 234.35	2,287.57
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,051.16	515.81
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,897.56	515.81
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,783.04	515.81
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,130.70	515.81
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,611.70	515.81
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,715.71	515.81
27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	2,965.18	472.83
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,811.58	472.83
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,697.06	472.83
27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,044.72	472.83
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,525.72	472.83
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,629.73	472.83
27 14 23 16-0560 Network Communications Cabling And Related Products <small>(27 14 23 16)</small>		
27 14 23 16-0561 EA AC Surge Suppression Assembly	258.82	10.74
Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 14 23 16-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	433.99	12.90
Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 14 23 16-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends.....	23.32	1.38
Note: Includes testing.		
27 14 23 16-0564 EA KVM (Keyboard, Video, Mouse) Cable	52.74	1.73
Note: Raritan CCP40. Includes testing.		
27 14 23 16-0565 EA 6' Long USB (Universal Serial Bus) Cable.....	8.38	1.38
Note: Includes testing.		
27 14 23 16-0566 EA 10' Long USB (Universal Serial Bus) Cable.....	9.90	1.73
Note: Includes testing.		
27 14 23 16-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End.....	10.66	1.38
Note: Includes testing.		
27 14 23 16-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	12.18	1.73
Note: Includes testing.		
27 14 23 16-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	17.33	1.38
Note: Includes testing.		
27 14 23 16-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends	37.30	1.73
Note: Includes testing.		
27 14 23 16-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	29.46	1.38
Note: Includes testing.		
27 14 23 16-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	37.30	1.73
Note: Includes testing.		
27 14 23 16-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other.....	54.66	1.38
Note: Includes testing.		
27 14 23 16-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other.....	54.66	1.38
Note: Includes testing.		
27 14 23 16-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	0.65	
Note: Corning part no. 006ESF-T4101D20. Includes testing.		
27 14 23 16-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	5.11	
Note: Corning part no. 012ESF-T4101D20. Includes testing.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....6.23 Note: Corning part no. 024EW4-T4101D20. Includes testing.	6.23	
27 14 23 16-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....10.12 Note: Corning part no. 072EW4-T4101D20. Includes testing.	10.12	
27 14 23 16-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....15.89 Note: Corning part no. 144EW4-T4101D20. Includes testing.	15.89	
27 14 23 16-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable.....9.65 Note: Corning part no. 036E81-61131-24. Includes testing.	9.65	
27 14 23 16-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable.....14.77 Note: Corning part no. 072E81-T3131-24. Includes testing.	14.77	
27 14 23 16-0582 EA Aerial Storage Unit.....71.90 Note: Alcola part no. FSU-16. Includes testing.	71.90	8.60
27 14 23 16-0583 EA Spider Fan-Out Kits With SC Connectors.....86.89 Note: Corning part no. SFK-P-12-900-S.	86.89	8.60
27 14 23 16-0584 LF Ultraviolet Resistant Rated Category 6 Cable.....0.86 Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	0.86	0.16
27 14 23 16-0585 LF RG11 Coaxial Cable NEC CMR.....3.29 Note: Corning part no. SFK-P-12-900-S.	3.29	1.61
27 14 23 16-0586 LF Outdoor Rated UL Type CL2.....3.20 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	3.20	
27 14 23 16-0587 LF Indoor Plenum Rated UL Type CMP.....4.51 Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	4.51	1.61

27 14 33 Communications Coaxial Cabling (27 14)**27 14 33 16 Communications Coaxial Cabling (27 14 33)**

27 14 33 16-0001	Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002	Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0003	Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0002)		
27 14 33 16-0004	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,003.76	361.07
27 14 33 16-0005	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,150.32	361.07
27 14 33 16-0006	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	881.32	412.65
27 14 33 16-0007	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,687.93	412.65
27 14 33 16-0008	Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0002)		
27 14 33 16-0009	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,605.54	722.14
27 14 33 16-0010	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	2,752.10	722.14
27 14 33 16-0011	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,569.08	825.31
27 14 33 16-0012	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	3,375.69	825.31
27 14 33 16-0013	Coaxial Distribution Cable (27 14 33 16-0001)		
Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal			
27 14 33 16-0014	MLF RG-6/U Coaxial Distribution Cable, In Conduit.....	1,556.26	251.50
27 14 33 16-0015	MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	5,413.13	251.50
27 14 33 16-0016	MLF RG-8/U Coaxial Distribution Cable, In Conduit.....	2,919.60	265.65
27 14 33 16-0017	MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,644.08	265.65
27 14 33 16-0018	MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,280.69	314.38
27 14 33 16-0019	MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,681.79	314.38
27 14 33 16-0020	MLF RG-11/U Coaxial Distribution Cable, In Plenum.....	10,476.89	628.76
27 14 33 16-0021	MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,165.28	220.07
27 14 33 16-0022	MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,308.84	220.07
27 14 33 16-0023	MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,561.74	220.07
27 14 33 16-0024	MLF RG-58/U Coaxial Distribution Cable, In Plenum.....	3,763.77	440.13
27 14 33 16-0025	MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	1,835.99	220.07
27 14 33 16-0026	MLF RG-59/U Coaxial Distribution Cable, In Plenum.....	4,516.22	440.13
27 14 33 16-0027	MLF 1/2" Hard Line Coaxial, In Conduit.....	1,917.87	440.13
27 14 33 16-0028	Outdoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0029	Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)		
Note: Corrugated steel armor jacket.			
27 14 33 16-0030	MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	4,538.11	1,176.72
27 14 33 16-0031	MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	2,888.08	827.68
27 14 33 16-0032	MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,374.04	488.31
27 14 33 16-0033	MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,368.40	488.31
27 14 33 16-0034	MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	2,055.13	763.00

27 14 43 Communications Faceplates And Connectors (27 14)

27 14 43 00-0001 Wall Mounted Telephone Faceplates (27 14 43)
Note: Includes standard telephone mounting studs.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0002 Plastic Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0001)</small>		
27 14 43 00-0003 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	28.04	10.74
27 14 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0001)</small>		
27 14 43 00-0005 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	23.15	4.30
<small>Note: Requires one snap-in modular jack.</small>		
27 14 43 00-0006 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	41.15	10.74
27 14 43 00-0007 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	48.00	12.90
27 14 43 00-0008 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	22.30	4.30
<small>Note: Requires one snap-in modular jack.</small>		
27 14 43 00-0009 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	37.56	10.74
27 14 43 00-0010 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	44.50	12.90
27 14 43 00-0011 Plastic Communications Faceplates <small>(27 14 43)</small>		
<small>Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.</small>		
27 14 43 00-0012 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.65	2.15
27 14 43 00-0013 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.65	2.15
27 14 43 00-0014 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.65	2.15
27 14 43 00-0015 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.65	2.15
27 14 43 00-0016 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.65	2.15
27 14 43 00-0017 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	9.80	2.15
27 14 43 00-0018 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.80	2.15
27 14 43 00-0019 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.80	2.15
27 14 43 00-0020 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.80	2.15
27 14 43 00-0021 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.80	2.15
27 14 43 00-0022 Stainless Steel Communications Faceplates <small>(27 14 43)</small>		
<small>Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.</small>		
27 14 43 00-0023 Stainless Steel Communications Faceplates <small>(27 14 43 00-0022)</small>		
27 14 43 00-0024 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	12.31	2.15
27 14 43 00-0025 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	12.31	2.15
27 14 43 00-0026 EA Three Port, Single Gang, Stainless Steel Communications Faceplate.....	12.31	2.15
27 14 43 00-0027 EA Four Port, Single Gang, Stainless Steel Communications Faceplate.....	13.14	2.15
27 14 43 00-0028 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	13.14	2.15
27 14 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	17.61	2.15
27 14 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	18.13	2.15
27 14 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	20.93	2.15
27 14 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	20.93	2.15
27 14 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	20.93	2.15
27 14 43 00-0034 Stainless Steel Communications Faceplates With Station ID <small>(27 14 43 00-0022)</small>		
27 14 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.51	2.15
27 14 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.51	2.15
27 14 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.51	2.15
27 14 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.51	2.15
27 14 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	17.51	2.15
27 14 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	37.35	2.15
27 14 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	37.35	2.15
27 14 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	37.35	2.15
27 14 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	37.35	2.15
27 14 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	37.35	2.15
27 14 43 00-0045 Surface Mount Plastic Communication Boxes <small>(27 14 43)</small>		
<small>Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.</small>		
27 14 43 00-0046 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	24.49	10.76
27 14 43 00-0047 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	25.01	10.76
27 14 43 00-0048 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	28.60	10.76
27 14 43 00-0049 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	32.86	10.76
27 14 43 00-0050 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	37.32	10.76
27 14 43 00-0051 Snap-In Modular Jacks <small>(27 14 43)</small>		
<small>Note: Includes termination.</small>		
27 14 43 00-0052 EA Cat 3, Snap-In Modular Jack.....	23.14	8.61
27 14 43 00-0053 EA Cat 5E, Snap-In Modular Jack.....	24.29	8.61
27 14 43 00-0054 EA Cat 5E Shielded, Snap-In Modular Jack.....	27.71	8.61
27 14 43 00-0055 EA Cat 6, Snap-In Modular Jack.....	27.71	8.61
27 14 43 00-0056 EA Cat 6 Shielded, Snap-In Modular Jack.....	31.56	8.61
27 14 43 00-0057 EA Cat 6A, Snap-In Modular Jack.....	32.14	8.61
27 14 43 00-0058 EA Voice, RJ-11, Snap-In Modular Jack.....	14.90	4.31
27 14 43 00-0059 EA SC Type Fiber Optic, Snap-In Modular Jack.....	25.74	8.61
27 14 43 00-0060 EA ST Type Fiber Optic, Snap-In Modular Jack.....	28.65	8.61
27 14 43 00-0061 EA LC Type Fiber Optic, Snap-In Modular Jack.....	34.36	8.61
27 14 43 00-0062 EA Blank Fill In, Snap-In Modular Jack.....	4.85	2.15

27	Communications
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0063 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	5.42	2.15
27 14 43 00-0064 EA Coaxial F-Type Coupler, Snap-In Modular Jack	19.26	6.45
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>	1.11	
27 14 43 00-0065 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack	19.47	6.45
Note: Includes female to female connection.		
27 14 43 00-0066 EA RCA Solder Coupler, Snap-In Modular Jack.....	39.32	8.61
27 14 43 00-0067 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	47.74	8.61
27 14 43 00-0068 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	23.97	8.61
27 14 43 00-0069 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	24.69	4.31
27 14 43 00-0070 EA BNC Connector, Snap-In Modular Jack	27.40	8.61
27 14 43 00-0071 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	30.52	8.61
27 14 43 00-0072 PR Speaker Connectors, Snap-In Modular Jack.....	39.21	12.92
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0073 EA USB Audio Video Connector, Snap-In Modular Jack.....	44.86	8.61
27 14 43 00-0074 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable.....	16.93	
27 14 43 00-0076 EA Label single gang face plate (2 labels required).....	13.54	
27 14 43 00-0077 EA Label two gang face plate (4 labels required).....	20.30	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable).....	16.93	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,178.06	1,289.54
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,139.72	1,719.39
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,432.71	2,149.24
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,381.61	2,579.08
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,452.49	1,289.54
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,630.80	1,719.39
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,408.08	2,149.24
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,930.47	2,579.08
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	4,037.76	1,719.39
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	4,999.41	2,149.24
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,292.40	2,579.08
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	7,241.30	3,008.93
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,312.19	1,719.39
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,490.49	2,149.24
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,267.77	2,579.08
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,790.16	3,008.93
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit	3,025.13	1,289.54
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,914.20	1,719.39
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit	4,976.72	2,149.24
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit	5,950.09	2,579.08
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench	2,165.44	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench	3,054.50	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench	4,117.03	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench	5,090.40	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0051 for modular jacks.		



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	73.25	4.30
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	80.76	4.30
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	95.27	4.30
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	99.73	4.30
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	109.21	5.37
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	103.42	4.30
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	129.78	5.37
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar.....	36.64	5.37

27 16 Communications Connecting Cords, Devices, And Adapters (27 10)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001	Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA	Fiber Optic Receiver, Range 6.2 Miles.....	439.03	42.98
27 16 16 00-0003 EA	Fiber Optic MM Dual Video Receiver, Manual Gain..... Note: With video presence Ind, RM.	613.43	84.67
27 16 16 00-0004	Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0005 EA	Fiber Optic Transmitter, Range 6.2 Miles.....	439.03	42.98
27 16 16 00-0006 EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator.....	613.43	84.67
27 16 16 00-0007	Fiber Optic Repeaters (27 16 16)		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008 EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	525.00	85.97
27 16 16 00-0009 EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	853.07	171.94
27 16 16 00-0010	Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0011 EA	Fiber Optic Transceivers, 3,000 Miles Range.....	613.58	171.94
27 16 16 00-0012 EA	Fiber Optic Transceivers, Digital 2,000 Miles Range.....	613.58	171.94
27 16 16 00-0013 EA	Fiber Optic Ethernet Transceiver.....	794.09	257.91
27 16 16 00-0014 EA	Transceiver (Low Cost Bi- Directional).....	261.98	64.48

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001	Cross Connect Wire (27 16 19)		
	Note: Up to 20' length.		
27 16 19 00-0002 EA	2-Pair Cross Connect Wire.....	13.73	
27 16 19 00-0003 EA	3-Pair Cross Connect Wire.....	18.39	
27 16 19 00-0004 EA	4-Pair Cross Connect Wire.....	23.00	
27 16 19 00-0005	Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006	Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007	Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008 EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	30.46	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0009 EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	25.18	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0010 EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	32.04	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0011 EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	26.39	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0012 EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	30.24	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0013 EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	29.81	
	For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0014	Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015	Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016 EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	51.68	
	For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0017 EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	50.19	
	For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0018 EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	55.48	
	For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0019 EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	43.55	
	For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0020 EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	51.24	
	For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0021 EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	50.40	
	For Each Additional Meter In Length, Add	0.51	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0022			Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0014)</small>		
27 16 19 00-0023	EA		ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	39.48	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA		ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.93	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA		ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	43.28	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0026	EA		ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.39	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA		SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.62	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028	EA		SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	44.59	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0029	EA		SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	52.07	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0030	EA		MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	36.44	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0031	EA		LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.94	
			<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0032			Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0033	EA		Simplex Fiber Optic Cable Pig Tail.....	55.08	30.08
27 16 19 00-0034	EA		Duplex Fiber Optic Cable Pig Tail	67.60	30.08
27 16 19 00-0035			Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0036	EA		3' Category 5E Patch Cables With Boots.....	13.24	
27 16 19 00-0037	EA		5' Category 5E Patch Cables With Boots.....	13.98	
27 16 19 00-0038	EA		7' Category 5E Patch Cables With Boots.....	14.71	
27 16 19 00-0039	EA		10' Category 5E Patch Cables With Boots.....	20.12	
27 16 19 00-0040	EA		15' Category 5E Patch Cables With Boots.....	21.96	
27 16 19 00-0041	EA		25' Category 5E Patch Cables With Boots.....	25.64	
27 16 19 00-0042	EA		3' Category 6 Patch Cables With Boots	14.28	
27 16 19 00-0043	EA		5' Category 6 Patch Cables With Boots	15.23	
27 16 19 00-0044	EA		7' Category 6 Patch Cables With Boots	16.17	
27 16 19 00-0045	EA		10' Category 6 Patch Cables With Boots	21.89	
27 16 19 00-0046	EA		15' Category 6 Patch Cables With Boots	24.26	
27 16 19 00-0047	EA		25' Category 6 Patch Cables With Boots	29.00	
27 16 19 00-0048	EA		50' Category 6 Patch Cables With Boots	40.83	
27 16 19 00-0049	EA		100' Category 6 Patch Cables With Boots	68.82	
27 16 19 00-0050	EA		3' Category 6A Patch Cables With Boots.....	18.24	
27 16 19 00-0051	EA		5' Category 6A Patch Cables With Boots.....	20.09	
27 16 19 00-0052	EA		7' Category 6A Patch Cables With Boots.....	21.95	
27 16 19 00-0053	EA		10' Category 6A Patch Cables With Boots.....	29.03	
27 16 19 00-0054	EA		15' Category 6A Patch Cables With Boots.....	33.67	
27 16 19 00-0055	EA		25' Category 6A Patch Cables With Boots.....	42.94	
27 16 19 00-0056	EA		50' Category 6A Patch Cables With Boots.....	66.12	
27 16 19 00-0057	EA		100' Category 6A Patch Cables With Boots.....	116.80	
27 20			Data Communications <small>(27)</small>		
27 21			Data Communications Network Equipment <small>(27 20)</small>		
			Note: Includes testing of new devices and certification.		
27 21 16			Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems		
			<small>(27 21)</small>		
27 21 16 00-0001			Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002	EA		Fiber Optic Modems, Range 6.2 Miles.....	932.31	171.94
27 21 16 00-0003	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,667.85	171.94
27 21 16 00-0004			Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005	EA		16 Port Managed Hub With Fiberport And Standard Management.....	2,130.99	129.16
27 21 16 00-0006	EA		16 Port Unmanaged Hub	413.08	86.10
27 21 16 00-0007			Network Equipment <small>(27 21 16)</small>		
27 21 16 00-0008			Communications Entrance Protection <small>(27 21 16 00-0007)</small>		
27 21 16 00-0009	EA		100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	622.28	64.58
			Note: Excludes terminations.		
27 21 16 00-0010	EA		Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	7.56	0.86
27 21 16 00-0011			Communications Cabinets, Racks, Frames And Enclosures <small>(27 21 16 00-0007)</small>		
27 21 16 00-0012	EA		19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	748.54	64.58
27 21 16 00-0013	EA		10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	655.21	4.31
27 21 16 00-0014	EA		Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701).....	121.03	17.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0015 Communications Termination Blocks And Patch Panels <small>(27 21 16 00-0007)</small>		
27 21 16 00-0016 Communications Termination Blocks <small>(27 21 16 00-0015)</small>		
27 21 16 00-0017 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	234.59	12.90
27 21 16 00-0018 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	218.43	12.90
27 21 16 00-0019 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	521.50	12.90
27 21 16 00-0020 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	485.14	12.90
27 21 16 00-0021 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	74.56	12.90
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	80.44	12.90
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	91.43	12.90
27 21 16 00-0024 Communications Copper Patch Panels <small>(27 21 16 00-0015)</small>		
Note: Excludes cabinet and terminations.		
27 21 16 00-0025 EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	233.51	27.98
27 21 16 00-0026 EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	423.97	34.44
27 21 16 00-0027 EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	344.27	27.98
27 21 16 00-0028 EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	640.88	34.44
27 21 16 00-0029 Communications Optical Fiber Patch Panels <small>(27 21 16 00-0015)</small>		
27 21 16 00-0030 Closet Connector Housings <small>(27 21 16 00-0029)</small>		
27 21 16 00-0031 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	266.44	17.22
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0032 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	310.31	17.22
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	385.97	17.22
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	83.73	8.61
27 21 16 00-0035 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	113.49	8.61
27 21 16 00-0036 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	94.24	8.61
27 21 16 00-0037 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	123.10	8.61
27 21 16 00-0038 Communications Cable Management <small>(27 21 16 00-0007)</small>		
27 21 16 00-0039 Horizontal Communication Cable Management <small>(27 21 16 00-0038)</small>		
27 21 16 00-0040 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	90.01	17.22
27 21 16 00-0041 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	92.89	17.22
27 21 16 00-0042 Vertical Communication Cable Management <small>(27 21 16 00-0038)</small>		
27 21 16 00-0043 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	523.26	43.05
27 21 16 00-0044 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	541.88	43.05
27 21 16 00-0045 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	583.83	43.05
27 21 16 00-0046 Communications Patch Cords, Station Cords, And Cross Connect Wire <small>(27 21 16 00-0007)</small>		
27 21 16 00-0047 Premise Cross-Connect Wire <small>(27 21 16 00-0046)</small>		
27 21 16 00-0048 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	0.89	0.43
27 21 16 00-0049 Pathways For Communications Systems <small>(27 21 16 00-0007)</small>		
27 21 16 00-0050 Conduits And Backboxes For Communication Systems <small>(27 21 16 00-0049)</small>		
27 21 16 00-0051 Flexible Conduit For Communication Systems <small>(27 21 16 00-0050)</small>		
27 21 16 00-0052 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton DF4X1C).....	350.12	154.74
27 21 16 00-0053 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton CF4X1C).....	500.75	154.74
27 21 16 00-0054 Tube Cables For Communication Systems <small>(27 21 16 00-0050)</small>		
27 21 16 00-0055 Outdoor/All-Dielectric Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0056 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	298.72	103.16
27 21 16 00-0057 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	445.31	128.96
27 21 16 00-0058 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	739.42	154.74
27 21 16 00-0059 Indoor/Riser Rated Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0060 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	342.60	103.16
27 21 16 00-0061 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	418.95	116.06
27 21 16 00-0062 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	475.79	128.96
27 21 16 00-0063 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	877.17	154.74
27 21 16 00-0064 Indoor/Plenum Rated Tube Cables <small>(27 21 16 00-0054)</small>		

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0065 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	251.18	103.16
27 21 16 00-0066 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	363.33	103.16
27 21 16 00-0067 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	560.35	116.06
27 21 16 00-0068 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	815.90	128.96
27 21 16 00-0069 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,541.13	154.74
27 21 16 00-0070 Unjacketed Single Tube Cables (27 21 16 00-0054)		
27 21 16 00-0071 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	217.04	103.16
27 21 16 00-0072 Multimode Fiber Bundles (27 21 16 00-0054)		
Note: Includes optical fiber cables.		
27 21 16 00-0073 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	93.03	30.95
27 21 16 00-0074 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	140.57	30.95
27 21 16 00-0075 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	191.77	30.95
27 21 16 00-0076 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	347.80	30.95
27 21 16 00-0077 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	503.90	36.11
27 21 16 00-0078 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	659.94	36.11
27 21 16 00-0079 Singlemode Fiber Bundles (27 21 16 00-0054)		
Note: Includes optical fiber cables.		
27 21 16 00-0080 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	83.27	30.95
27 21 16 00-0081 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	104.00	30.95
27 21 16 00-0082 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	121.06	30.95
27 21 16 00-0083 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	153.98	30.95
27 21 16 00-0084 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	235.72	36.11
27 21 16 00-0085 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	310.08	36.11
27 21 16 00-0086 Tube Distribution Cabinets (27 21 16 00-0054)		
27 21 16 00-0087 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	180.90	43.05
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0088 Modular Fiber Termination Cabinets (27 21 16 00-0054)		
27 21 16 00-0089 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	228.70	43.05
27 21 16 00-0090 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	243.82	43.05
27 21 16 00-0091 Tube Distribution Accessories (27 21 16 00-0054)		
27 21 16 00-0092 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	10.30	4.31
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	11.37	4.31
27 21 16 00-0094 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	14.10	4.31
27 21 16 00-0095 Communications Optical Fiber Cabling (27 21 16 00-0007)		
27 21 16 00-0096 Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0095)		
27 21 16 00-0097 Field Installed Fiber Connectors (27 21 16 00-0096)		
27 21 16 00-0098 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	30.08	6.45
27 21 16 00-0099 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	26.59	6.45
27 21 16 00-0100 Buffer Tube Fan-Out Kits (27 21 16 00-0096)		
27 21 16 00-0101 Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0100)		
Note: Includes 900 micron tubing.		
27 21 16 00-0102 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02)	186.57	85.97
27 21 16 00-0103 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04)	190.23	85.97
27 21 16 00-0104 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06)	193.46	85.97
27 21 16 00-0105 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12)	203.49	85.97
27 21 16 00-0106 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18)	217.21	85.97
27 21 16 00-0107 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24)	227.41	85.97
27 21 16 00-0108 Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0100)		
27 21 16 00-0109 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	188.26	85.97
27 21 16 00-0110 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	224.48	85.97
27 21 16 00-0111 Communications Copper Cabling (27 21 16 00-0007)		
27 21 16 00-0112 Copper Communications Cable Splicing And Terminations (27 21 16 00-0111)		
27 21 16 00-0113 Copper Communications Cable Splice Cases (27 21 16 00-0112)		
27 21 16 00-0114 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	711.37	171.94
27 21 16 00-0115 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	816.40	171.94
27 21 16 00-0116 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,165.40	171.94



Communications	27	27
Data Communications	27 20	
Data Communications Network Equipment	27 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0117 Modular Splice Connectors <small>(27 21 16 00-0112)</small>		
27 21 16 00-0118 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	91.07	42.98
27 21 16 00-0119 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	89.93	42.98
27 21 16 00-0120 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	91.09	42.98
27 21 16 00-0121 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	90.93	42.98
27 22 Data Communications Hardware <small>(27 20)</small>		
27 22 19 Data Communications Servers <small>(27 22)</small>		
27 22 19 00-0001 Network Communications Frames And Enclosures <small>(27 22 19)</small>		
27 22 19 00-0002 EA Communications Equipment Enclosure	10,982.73	258.32
Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72"Hx72"Wx36"D, .0125 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19"/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.		
27 22 19 00-0003 EA Wall Mounted Equipment Cabinet.....	760.24	86.10
Note: Mid-Atlantic DWR-24-22 PD.		
27 22 19 00-0004 EA APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel	5,978.10	
Note: UI 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Sthle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 22 19 00-0005 EA APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel	20,069.46	
Note: UI 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Sthle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 24 Data Communications Peripheral Data Equipment <small>(27 20)</small>		
27 24 33 Power Supplies, UPS And Battery Backup <small>(27 24)</small>		
27 24 33 00-0001 Network Equipment <small>(27 24 33)</small>		
27 24 33 00-0002 EA 19" Rack Mountable 110-24T Ethernet Switch	334.39	28.63
Note: 24 x 10/100Base-TX LAN with SFP (miniGBic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.		
27 24 33 00-0003 EA 19" Rack Mountable Station Access Router	1,714.81	150.44
Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 33 00-0004 EA 19" Rack Mount LCD Monitor	820.37	68.78
Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 33 00-0005 EA 1000VA UPS (Uninterruptible Power Supply)	783.96	78.59
Note: APC SUA1000RM2U. Includes testing.		
27 24 33 00-0006 EA 1000VA UPS (Uninterruptible Power Supply)	342.94	78.59
Note: APC BR1000. Includes testing.		
27 24 33 00-0007 EA 1200VA UPS (Uninterruptible Power Supply)	350.91	78.59
Note: APC BR1200. Includes testing.		
27 30 Voice Communications <small>(27)</small>		
27 31 Voice Communications Switching and Routing Equipment <small>(27 30)</small>		
Note: Includes testing of new devices and certification.		
27 31 13 PBX/Key Systems <small>(27 31)</small>		
27 31 13 00-0001 Interior PBX Telephone System <small>(27 31 13)</small>		
Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002 Interior PBX Telephone System <small>(27 31 13 00-0001)</small>		
Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000	1,169.08	448.46
27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) <small>(27 31 13 00-0001)</small>		
27 31 13 00-0005 EA Add For Each Additional PBX Phone Line Less Solid State Switching.....	346.81	35.25

27 Communications**27 30 Voice Communications****27 31 Voice Communications Switching and Routing Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 31 13 00-0006			Telephones <small>(27 31 13 00-0001)</small>		
27 31 13 00-0007	EA		Telephones, Desk Type Intercommunication Equipment.....	145.31	33.53
27 31 13 00-0008	EA		Telephones, Wall Type Intercommunication Equipment.....	167.91	44.71

27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System (27 32)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0001			Components <small>(27 32 19)</small>		
27 32 19 00-0002	EA		Solid State Exchange Unit With Power Supply.....	4,219.02	785.58
27 32 19 00-0003	EA		Dial Telephone - Handset In Cabinet.....	493.63	64.22
27 32 19 00-0004	EA		Elevator Cab Telephone With Trailer Cable.....	266.14	68.86
27 32 19 00-0005	EA		Loud Ring Bell, 6".....	213.06	63.88
27 32 19 00-0006	EA		Audio/Visual Indicator.....	262.36	60.18
27 32 19 00-0007	EA		Administrative Telephone With Digital Display.....	269.54	53.99
27 32 19 00-0008	EA		Processing Unit For 16 Station System.....	1,410.08	440.42
27 32 19 00-0009	EA		Handset For 16 Station System.....	192.54	43.84
27 32 19 00-0010	EA		Handset In Cabinet, For 16 Station System.....	260.71	59.15
27 32 19 00-0011	MLF		20 Conductor Unshielded Cable, #22.....	1,980.19	947.99
27 32 19 00-0012	EA		Power Supply For 16 Station System.....	268.75	117.00
27 32 19 00-0013	EA		Intercom Terminal Board.....	249.73	131.70
27 32 19 00-0014	EA		Power Supply For Five Station System, 24 Volt DC.....	277.37	117.00
27 32 19 00-0015	EA		Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	131.46	48.10
27 32 19 00-0016	EA		Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	391.96	105.86
27 32 19 00-0017	EA		Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	460.86	120.33
27 32 19 00-0018	EA		Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	557.44	142.41
27 32 19 00-0019	EA		Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	651.81	153.97
27 32 19 00-0020	EA		Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	988.55	175.18
27 32 19 00-0021	EA		Ring Rung 3".....	8.90	4.79
27 32 19 00-0022	EA		G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	21.59	8.51
27 32 19 00-0023	EA		G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	40.26	17.45

27 32 19 00-0024 Accessories (27 32 19)

27 32 19 00-0025	EA		Blank Telephone Receptacle, Exposed Devices - Complete.....	9.45	4.64
27 32 19 00-0026	EA		4-Pin Telephone Receptacle, Exposed Devices - Complete.....	19.61	17.88
27 32 19 00-0027	EA		Level 5, RJ-45 Jack, Dual Flush Mounted - Complete.....	46.36	19.65
27 32 19 00-0028	EA		Level 5, RJ-45 Jack, Wall Mount - Complete.....	44.79	19.65
27 32 19 00-0029	EA		Terminating Strips, Inside.....	90.36	39.30
27 32 19 00-0030	EA		Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	42.22	20.20
27 32 19 00-0031	EA		Ready Access Closure 3 To 25 Pair.....	109.03	47.37
27 32 19 00-0032	EA		Ready Access Closure 25 To 100 Pair.....	125.43	52.95
27 32 19 00-0033	EA		Termination Block With Bracket 25 Pair.....	39.53	15.90
27 32 19 00-0034	EA		RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	41.50	19.94
27 32 19 00-0035	EA		Interior Protected Terminal 25 Pair.....	393.06	114.86
27 32 19 00-0036	EA		Interior Protected Terminal 50 Pair.....	449.12	116.66
27 32 19 00-0037	EA		Pedestal 6" x 6" x 50" 3 To 100 Pair.....	158.24	47.80
27 32 19 00-0038	EA		Pedestal 8" x 8" x 50" 100 To 300 Pair.....	162.00	47.80
27 32 19 00-0039	EA		Pedestal 10" x 10" x 43" 300 To 600 Pair.....	212.24	61.12
27 32 19 00-0040	EA		Pedestal 10" x 16" x 439 600 Pair.....	426.13	110.13
27 32 19 00-0041	EA		Entrance Protector Terminal 100 Pair.....	566.62	125.69
27 32 19 00-0042	EA		Gas Protection Module.....	10.77	4.30
27 32 19 00-0043	EA		Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	15.70	3.93

27 32 26 Ring-Down Emergency Telephones (27 32)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0001			Emergency Telephone <small>(27 32 26)</small> Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002	EA		Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)..... Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,257.23	353.34
27 32 26 00-0003	EA		Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)..... Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,556.93	353.34
27 32 26 00-0004	EA		Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	99.90	
27 32 26 00-0005	EA		Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	149.85	
27 32 26 00-0006	EA		IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	374.63	
27 32 26 00-0007	EA		IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	509.49	



Communications	27	
Voice Communications	27 30	27
Voice Communications Terminal Equipment	27 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	559.44	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	9.99	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	9.99	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	89.91	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	949.06	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option	439.56	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,423.58	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option.....	2,992.02	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	159.84	
27 32 26 00-0017 EA Night Charge Power Code Blue Option	1,393.61	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	349.65	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option	794.21	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option	34.97	
27 32 26 00-0021 City Police Call System (27 32 26)		
27 32 26 00-0022 Components (27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System.....	494.59	100.24
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....	466.04	145.20
27 40 Audio-Video Communications (27)		
27 41 Audio-Video Systems (27 40)		
27 41 16 Integrated Audio-Video Systems and Equipment (27 41)		
Note: Includes testing of new devices and certification.		
27 41 16 00-0001 Television Distribution System (27 41 16)		
See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0012 for basic wiring.		
27 41 16 00-0002 Television Support System (27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20".....	301.30	96.44
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack.....	380.11	107.63
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27".....	312.39	96.44
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack.....	391.20	107.63
27 41 16 00-0007 EA Wall Mounted Television Support, 13".....	238.00	77.50
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack.....	316.81	86.10
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20".....	252.56	77.50
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack	331.37	86.10
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27".....	267.11	77.50
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack	345.92	86.10
27 41 16 00-0013 Distribution System (27 41 16 00-0001)		
See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves	949.03	158.10
27 41 16 00-0016 EA Switch And Pilot Light.....	166.52	70.24
27 41 16 00-0017 LF Surface Raceway With Outlets	20.40	9.54
27 41 16 00-0018 EA Service Label.....	24.96	13.15
27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA Head End Amplifier	633.08	105.23
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster	387.83	105.23
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier.....	474.19	105.23
27 41 16 00-0025 EA UHF Preamplifier	387.83	105.23
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply	677.41	150.36
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter	67.71	35.08
27 41 16 00-0030 EA Two-Way Splitter.....	74.58	35.08

27	Communications
27 40	Audio-Video Communications
27 41	Audio-Video Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0031 EA Frequency Filter	155.11	52.70
27 41 16 00-0032 EA Line Splitter And Mixer	205.93	77.38
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	287.41	70.24
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	155.11	52.70
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	74.58	35.08
27 41 16 00-0038 EA TV Camera Outlet Plug.....	74.58	35.08
27 41 16 00-0039 EA Audio Outlet Plug.....	65.97	35.08
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	136.29	70.24
27 41 16 00-0041 EA Male Plug PL-259.....	74.58	35.08
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets	91.57	36.80
27 41 16 00-0043 Metal And Electric Shop Antenna Systems (27 41 16)		
27 41 16 00-0044 Antenna (27 41 16 00-0043)		
27 41 16 00-0045 EA Amateur Radio Antenna.....	601.28	128.96
27 41 16 00-0046 EA Multi-Band Radio Antenna	477.57	128.96
27 41 16 00-0047 Receptacles (27 41 16 00-0043)		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	146.48	52.70
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	146.48	52.70

27 50 Distributed Communications And Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 23 Intercommunications And Program Systems (27 51)

27 51 23 20 Commercial Intercommunications And Program Systems (27 51 23)

27 51 23 20-0001 Intercom (27 51 23 20)

27 51 23 20-0002 EA Aiphone Intercom, Master	1,085.69	
27 51 23 20-0003 EA Aiphone Intercom, Remotes.....	403.13	

27 51 33 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Amplifiers (27 51 33)

27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10).....	328.96	86.10
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35).....	446.45	86.10
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60).....	521.88	86.10
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	575.68	86.10
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	706.07	86.10
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	901.05	86.10
27 51 33 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK).....	36.21	4.31

27 51 33 00-0009 Speakers (27 51 33)

27 51 33 00-0010 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W).....	141.44	23.04
27 51 33 00-0011 EA 8" Steel Baffle (Atlas Sound 51-8).....	41.13	4.30
27 51 33 00-0012 EA T-Bar Support (Atlas Sound EZ95-8).....	45.23	4.30
27 51 33 00-0013 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408).....	67.22	4.30
27 51 33 00-0014 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA).....	67.40	7.74

27 51 33 00-0015 Accessories (27 51 33)

27 51 33 00-0016 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	170.73	10.76
27 51 33 00-0017 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	376.42	10.76
27 51 33 00-0018 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A).....	105.48	21.53
27 51 33 00-0019 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	185.49	21.53
27 51 33 00-0020 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex).....	138.69	21.50
27 51 33 00-0021 EA Microphone Jack For Audio/Video System	70.41	21.53
27 51 33 00-0022 EA Terminal Cabinet For Audio/Video System (Atlas 121-18).....	543.80	86.10
27 51 33 00-0023 EA Volume Control For Audio/Video System (Bogen AT10A)	67.82	21.53

27 51 33 00-0024 Remove And Reinstall Speakers (27 51 33)

Note: Includes storage, cleaning and supply materials.

27 51 33 00-0025 EA Remove And Reinstall Ceiling Mounted Speaker	120.36	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 Distributed Systems (27 50)		
27 53 13 Clock Systems (27 53)		
27 53 13 00-0001	Wired Self-Corrective Clock Systems (27 53 13)	
27 53 13 00-0002	Wired Self-Corrective Clocks (27 53 13 00-0001)	
27 53 13 00-0003	Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)	
27 53 13 00-0004	24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)	
27 53 13 00-0005	EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....183.28	21.50
	For >50 To 100, Deduct	-12.05
	For >100, Deduct	-17.66
27 53 13 00-0006	EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....433.68	21.50
	For >50 To 100, Deduct	-22.06
	For >100, Deduct	-37.69
27 53 13 00-0007	EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....229.45	21.50
	For >50 To 100, Deduct	-15.76
	For >100, Deduct	-23.22
27 53 13 00-0008	EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....572.20	21.50
	For >50 To 100, Deduct	-59.36
	For >100, Deduct	-80.52
27 53 13 00-0009	120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)	
27 53 13 00-0010	EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....183.28	21.50
	For >50 To 100, Deduct	-12.05
	For >100, Deduct	-17.66
27 53 13 00-0011	EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....433.68	21.50
	For >50 To 100, Deduct	-22.06
	For >100, Deduct	-37.69
27 53 13 00-0012	EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....229.45	21.50
	For >50 To 100, Deduct	-15.76
	For >100, Deduct	-23.22
27 53 13 00-0013	EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....572.20	21.50
	For >50 To 100, Deduct	-59.36
	For >100, Deduct	-80.52
27 53 13 00-0014	Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)	
27 53 13 00-0015	EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....150.25	10.74
27 53 13 00-0016	EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks.....39.26	10.74
27 53 13 00-0017	EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks.....49.48	10.74
27 53 13 00-0018	EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks.....60.13	10.74
27 53 13 00-0019	EA Combination Back Box For Speaker And Clock.....89.16	17.20
27 53 13 00-0020	Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)	
27 53 13 00-0021	24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)	
27 53 13 00-0022	EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....225.90	21.50
	For Surface Mount, Add	36.58
	For >50 To 100, Deduct	-10.98
	For >100, Deduct	-18.29
27 53 13 00-0023	EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....346.66	21.50
	For Surface Mount, Add	60.74
	For >50 To 100, Deduct	-18.22
	For >100, Deduct	-30.37
27 53 13 00-0024	120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)	
27 53 13 00-0025	EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....225.90	21.50
	For Surface Mount, Add	36.58
	For >50 To 100, Deduct	-10.98
	For >100, Deduct	-18.29
27 53 13 00-0026	EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....346.66	21.50
	For Surface Mount, Add	60.74
	For >50 To 100, Deduct	-18.22
	For >100, Deduct	-30.37
27 53 13 00-0027	Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)	
27 53 13 00-0028	EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....193.49	21.50
	For >50 To 100, Deduct	-9.03
	For >100, Deduct	-15.05
27 53 13 00-0029	EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....317.36	21.50
	For >50 To 100, Deduct	-16.46
	For >100, Deduct	-27.44
27 53 13 00-0030	Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)	

27 Communications**27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0031	EA		2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	193.49	21.50
			<i>For >50 To 100, Deduct</i>	-9.03	
			<i>For >100, Deduct</i>	-15.05	
27 53 13 00-0032	EA		4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	317.36	21.50
			<i>For >50 To 100, Deduct</i>	-16.46	
			<i>For >100, Deduct</i>	-27.44	
27 53 13 00-0033			Accessories For Digital Wired Self-Corrective Clocks <small>(27 53 13 00-0020)</small>		
27 53 13 00-0034	EA		Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	204.42	10.74
27 53 13 00-0035	EA		2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	49.91	10.74
27 53 13 00-0036	EA		4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	68.56	10.74
27 53 13 00-0037	EA		Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	178.67	10.74
27 53 13 00-0038	EA		4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	51.25	10.74
27 53 13 00-0039			Wired Self-Corrective Master Clocks <small>(27 53 13 00-0001)</small>		
27 53 13 00-0040			Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0041	EA		24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,116.22	171.94
27 53 13 00-0042	EA		120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,249.42	171.94
27 53 13 00-0043			Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0044	EA		5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	220.50	42.98
27 53 13 00-0045	EA		10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	248.46	42.98
27 53 13 00-0046			Other Clock And Program Systems <small>(27 53 13)</small>		
27 53 13 00-0047	EA		4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,043.34	85.97
27 53 13 00-0048	EA		8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,297.90	171.94
27 53 13 00-0049	EA		Program Bell (Lathem 906-6).....	169.88	42.98
27 53 13 00-0050	EA		Combination Clock And Speaker.....	390.96	107.46

END OF SECTION 27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 30 Electronic Detection And Alarm ⁽²⁸⁾

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

28 31 Fire Detection And Alarm ^(28 30)

28 31 23 Fire Detection and Alarm Annunciation Panels and Fire Stations ^(28 31)

28 31 23 00-0001	EA	Edwards Fire Alarm ^(28 31 23)		
28 31 23 00-0002		EST3 Life Safety And Security Control ^(28 31 23 00-0001)		
28 31 23 00-0003		EST3 Network ^(28 31 23 00-0002)		
28 31 23 00-0004		Remote Annunciators ^(28 31 23 00-0003)		
28 31 23 00-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	849.83	64.58
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0006	EA	Six Position Base Annunciator (EST3 3-6ANN).....	699.07	64.58
		Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN).....	874.87	64.58
		Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0008	EA	Annunciator CPU (EST3 3-ANNCPU3).....	570.39	64.58
		Note: One Required per graphic annunciator.		
28 31 23 00-0009	EA	Annunciator Support Module (EST3 3-ANNSM).....	110.19	21.53
		Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 31 23 00-0010	EA	Liquid Crystal Display Module (EST3 3-LCD).....	379.27	64.58
		Note: Mounts over 3-CPU(1).		
28 31 23 00-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL).....	393.23	64.58
		Note: Mounts over 3-ANNCPU plus two spaces.		
28 31 23 00-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	423.33	64.58
		Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 31 23 00-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	475.86	43.05
		Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 31 23 00-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	80.26	21.53
		Note: Mounts up to three 3-EVDVRA modules.		
28 31 23 00-0015	EA	Central Processor Unit Module (EST3 3-CPU3).....	898.30	64.58
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0016	EA	Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3).....	863.95	21.53
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0017		Remote Annunciators Cabinets ^(28 31 23 00-0003)		
28 31 23 00-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	85.62	21.53
28 31 23 00-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S).....	77.01	17.22
28 31 23 00-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	95.06	21.53
28 31 23 00-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	86.45	17.22
28 31 23 00-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	103.92	21.53
28 31 23 00-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	95.31	17.22
28 31 23 00-0024		Audio And Telephone Masters ^(28 31 23 00-0003)		
28 31 23 00-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	2,701.89	86.10
28 31 23 00-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,525.33	86.10
28 31 23 00-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,429.74	86.10
28 31 23 00-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,444.44	86.10
28 31 23 00-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,642.95	86.10
28 31 23 00-0030	EA	Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,517.87	43.05
28 31 23 00-0031		Battery Distribution Unit ^(28 31 23 00-0003)		
28 31 23 00-0032	EA	Battery Distribution Unit (EST3 3-BTSEN).....	339.89	253.77
28 31 23 00-0033		Remote Booster Power Supply ^(28 31 23 00-0003)		
28 31 23 00-0034	EA	6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A).....	496.88	64.58
28 31 23 00-0035	EA	10 Amp, 110 VAC Booster Power Supply (EST3 BPS10).....	562.31	64.58
28 31 23 00-0036	EA	10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220).....	610.52	64.58
28 31 23 00-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	87.20	21.53
28 31 23 00-0038		Batteries And Battery Cabinets ^(28 31 23 00-0003)		
28 31 23 00-0039	EA	1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	69.23	21.53
28 31 23 00-0040	EA	4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	83.45	21.53

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0041	EA	24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	181.51	21.53
28 31	23 00-0042	EA	6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	89.14	21.53
28 31	23 00-0043	EA	40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	227.04	21.53
28 31	23 00-0044	EA	10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	132.80	21.53
28 31	23 00-0045	EA	50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	448.83	21.53
28 31	23 00-0046	EA	17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	135.73	21.53
28 31	23 00-0047	EA	65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	538.02	21.53
28 31	23 00-0048	EA	8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	80.68	21.53
28 31	23 00-0049	EA	10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	73.58	21.53
28 31	23 00-0050	EA	Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	244.68	43.05
28 31	23 00-0051	EA	Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	206.39	43.05
28 31	23 00-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R).....	672.33	86.10
28 31	23 00-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R).....	823.04	86.10
28 31	23 00-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R).....	1,135.57	86.10
28 31	23 00-0055		Serial Printer <small>(28 31 23 00-0003)</small>		
28 31	23 00-0056	EA	System Printer - Desk Top Style (EST3 PT-1S).....	860.13	21.53
28 31	23 00-0057		Intelligent Analog Initiating Devices <small>(28 31 23 00-0002)</small>		
28 31	23 00-0058		Detectors, Signature <small>(28 31 23 00-0057)</small>		
28 31	23 00-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	150.31	32.29
28 31	23 00-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	166.86	32.29
28 31	23 00-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS).....	145.38	32.29
28 31	23 00-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	130.60	32.29
28 31	23 00-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	135.52	32.29
28 31	23 00-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS).....	114.11	32.29
28 31	23 00-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS).....	114.11	32.29
28 31	23 00-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD).....	171.26	32.29
28 31	23 00-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	187.41	32.29
28 31	23 00-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	160.78	32.29
28 31	23 00-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	224.94	32.29
28 31	23 00-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS).....	136.83	32.29
28 31	23 00-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS).....	136.83	32.29
28 31	23 00-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS).....	182.34	32.29
28 31	23 00-0073		Detectors, Duct Housings and Accessories, Signature <small>(28 31 23 00-0057)</small>		
28 31	23 00-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	298.11	53.82
28 31	23 00-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG).....	15.07	
28 31	23 00-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120).....	42.25	12.92
28 31	23 00-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	79.51	17.22
28 31	23 00-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	104.53	17.22
28 31	23 00-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	50.97	17.22
28 31	23 00-0080		Detectors, Smoke, Beam <small>(28 31 23 00-0057)</small>		
28 31	23 00-0081	EA	Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	97.50	
28 31	23 00-0082	EA	Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01)..... Note: Includes controller and remote mount transmitter and receiver head.	1,137.78	32.29
28 31	23 00-0083	EA	Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	72.31	10.76
28 31	23 00-0084	EA	Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	84.97	10.76
28 31	23 00-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,163.97	32.29
28 31	23 00-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R).....	994.83	32.29
28 31	23 00-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT).....	233.00	10.76
28 31	23 00-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,226.33	32.29
28 31	23 00-0089		Modules, Signature <small>(28 31 23 00-0057)</small>		
28 31	23 00-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	137.01	21.53
28 31	23 00-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	93.35	21.53
28 31	23 00-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	128.78	21.53
28 31	23 00-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	123.82	21.53
28 31	23 00-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	117.29	21.53
28 31	23 00-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	138.71	21.53
28 31	23 00-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	112.29	21.53
28 31	23 00-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	109.07	21.53
28 31	23 00-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	142.02	21.53
28 31	23 00-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	138.71	21.53
28 31	23 00-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	133.78	21.53
28 31	23 00-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	123.56	102.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0102 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	93.35	21.53
28 31 23 00-0103 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	142.66	21.53
28 31 23 00-0104 Module Accessories, Signature <small>(28 31 23 00-0057)</small>		
<small>Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.</small>		
28 31 23 00-0105 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	38.09	10.76
28 31 23 00-0106 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	122.22	21.53
28 31 23 00-0107 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	15.38	6.45
28 31 23 00-0108 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	43.79	10.76
28 31 23 00-0109 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	39.70	10.76
28 31 23 00-0110 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	41.32	10.76
28 31 23 00-0111 Single Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0112 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	160.34	44.78
28 31 23 00-0113 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	185.07	44.78
28 31 23 00-0114 EA GA Key - For Pre Signal Station (EST3 276-K2).....	21.17	16.87
28 31 23 00-0115 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	25.93	21.63
28 31 23 00-0116 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	45.12	27.90
28 31 23 00-0117 Double Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0118 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	165.27	44.78
28 31 23 00-0119 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	26.28	4.31
28 31 23 00-0120 Detector Bases and Accessories, Signature <small>(28 31 23 00-0057)</small>		
<small>Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.</small>		
28 31 23 00-0121 EA Audible (Sounder) Base (EST3 SIGA-AB4G).....	74.67	10.76
28 31 23 00-0122 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	31.47	10.76
28 31 23 00-0123 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	91.83	10.76
28 31 23 00-0124 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	54.57	10.76
28 31 23 00-0125 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	62.81	10.76
28 31 23 00-0126 EA Detector Mounting Plate (EST3 SIGA-DMP).....	95.77	10.76
<small>Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.</small>		
28 31 23 00-0127 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	38.09	10.76
28 31 23 00-0128 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS).....	15.46	6.45
28 31 23 00-0129 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	15.46	6.45
28 31 23 00-0130 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	37.72	6.45
28 31 23 00-0131 EA Detector Base With Isolator (EST3 SIGA-IB).....	61.97	10.76
28 31 23 00-0132 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	65.50	10.76
28 31 23 00-0133 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	55.81	10.76
28 31 23 00-0134 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	55.81	10.76
28 31 23 00-0135 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	32.70	10.76
28 31 23 00-0136 Controllers, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0137 EA Signature Dual Driver Controller (EST3 3-SDDC1).....	1,940.95	64.58
28 31 23 00-0138 EA Single Signature Loop Controller (EST3 3-SSDC1).....	1,127.59	64.58
28 31 23 00-0139 EA Signature Loop Controller (EST3 3-SDC1).....	1,016.57	64.58
28 31 23 00-0140 EA Analog Addressable Loop Controller (EST3 3-AADC1).....	1,608.18	64.58
28 31 23 00-0141 Relays And Accessories <small>(28 31 23 00-0057)</small>		
28 31 23 00-0142 EA Multi Voltage Relay (EST3 MR101).....	112.89	21.53
28 31 23 00-0143 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	36.00	10.76
28 31 23 00-0144 Notification Appliances <small>(28 31 23 00-0002)</small>		
28 31 23 00-0145 Wall Strobes, Horns And Chimes <small>(28 31 23 00-0144)</small>		
28 31 23 00-0146 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	99.82	32.29
28 31 23 00-0147 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	99.82	32.29
28 31 23 00-0148 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	111.30	32.29
28 31 23 00-0149 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	86.89	32.29
28 31 23 00-0150 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	86.89	32.29
28 31 23 00-0151 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	86.89	32.29

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0152	EA		Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	86.89	32.29
28 31 23 00-0153	EA		Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P).....	76.02	32.29
28 31 23 00-0154	EA		Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	76.02	32.29
28 31 23 00-0155	EA		Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	76.02	32.29
28 31 23 00-0156	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	158.15	32.29
28 31 23 00-0157	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	158.15	32.29
28 31 23 00-0158	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	109.90	32.29
28 31 23 00-0159	EA		Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	109.90	32.29
28 31 23 00-0160	EA		Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	99.82	32.29
28 31 23 00-0161	EA		Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	99.82	32.29
28 31 23 00-0162	EA		Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	99.82	32.29
28 31 23 00-0163	EA		Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	99.82	32.29
28 31 23 00-0164	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	103.05	32.29
28 31 23 00-0165	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	103.05	32.29
28 31 23 00-0166	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	110.60	32.29
28 31 23 00-0167	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	103.05	32.29
28 31 23 00-0168	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	103.05	32.29
28 31 23 00-0169	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	68.96	32.29
28 31 23 00-0170	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	68.96	32.29
28 31 23 00-0171			Wall Speakers And Speaker Strobes (28 31 23 00-0144)		
28 31 23 00-0172	EA		Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	85.92	32.29
28 31 23 00-0173	EA		Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM).....	122.32	32.29
28 31 23 00-0174	EA		Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	85.92	32.29
28 31 23 00-0175	EA		Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM).....	122.32	32.29
28 31 23 00-0176	EA		Surface Box, White, For Genesis Speaker (EST3 G4B).....	43.31	17.22
28 31 23 00-0177	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	43.31	17.22
28 31 23 00-0178			Ceiling Speakers And Speaker Strobes (28 31 23 00-0144)		
28 31 23 00-0179	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	99.12	32.29
28 31 23 00-0180	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	122.32	32.29
28 31 23 00-0181	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	129.67	32.29
28 31 23 00-0182			Harsh Environment Signals (28 31 23 00-0144)		
28 31 23 00-0183	EA		Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T).....	90.08	32.29
28 31 23 00-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T).....	119.06	32.29
28 31 23 00-0185	EA		110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T).....	119.06	32.29
28 31 23 00-0186	EA		15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T).....	110.44	32.29
28 31 23 00-0187	EA		15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T).....	104.72	32.29
28 31 23 00-0188	EA		30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T).....	110.44	32.29
28 31 23 00-0189	EA		60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T).....	110.44	32.29
28 31 23 00-0190	EA		110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T).....	110.44	32.29
28 31 23 00-0191	EA		15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	122.61	36.60
28 31 23 00-0192	EA		110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	122.61	36.60
28 31 23 00-0193	EA		15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T).....	93.60	32.29
28 31 23 00-0194	EA		30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T).....	116.36	32.29
28 31 23 00-0195			Fire Alarm Bells (28 31 23 00-0144)		
28 31 23 00-0196	EA		10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW).....	127.10	32.29
28 31 23 00-0197	EA		6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW).....	105.46	32.29
28 31 23 00-0198	EA		10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW).....	114.69	32.29
28 31 23 00-0199			Multiple Tone Signal (28 31 23 00-0144)		
28 31 23 00-0200	EA		27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW).....	713.93	681.64
28 31 23 00-0201			Multi-Purpose Loudspeaker (28 31 23 00-0144)		
28 31 23 00-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	161.61	32.29
28 31 23 00-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	161.61	32.29
28 31 23 00-0204			Bell/Strobe Plate (28 31 23 00-0144)		
28 31 23 00-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	82.26	17.22
28 31 23 00-0206			Mounting Accessories (28 31 23 00-0144)		
28 31 23 00-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	43.98	17.22
28 31 23 00-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	43.98	17.22
28 31 23 00-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	43.98	17.22
28 31 23 00-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	43.98	17.22
28 31 23 00-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	43.98	17.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0212 Firefighters' Telephones <small>(28 31 23 00-0144)</small>		
28 31 23 00-0213 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	653.84	53.82
28 31 23 00-0214 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	380.74	53.82
28 31 23 00-0215 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	282.39	53.82
28 31 23 00-0216 EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	213.83	53.82
28 31 23 00-0217 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	368.50	53.82
28 31 23 00-0218 EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	238.30	53.82
28 31 23 00-0219 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	411.84	53.82
28 31 23 00-0220 EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	246.46	53.82
28 31 23 00-0221 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	467.34	53.82
28 31 23 00-0222 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	57.33	17.22
28 31 23 00-0223 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	64.43	17.22
28 31 23 00-0224 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	79.24	
28 31 23 00-0225 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	79.24	
28 31 23 00-0226 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	128.25	21.53
28 31 23 00-0227 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	156.51	21.53
28 31 23 00-0228 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	114.12	21.53
28 31 23 00-0229 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	109.97	21.53
28 31 23 00-0230 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	90.40	32.29
28 31 23 00-0231 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	667.98	43.05
28 31 23 00-0232 Mass Notification EC Appliances <small>(28 31 23 00-0144)</small>		
28 31 23 00-0233 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	103.07	32.29
28 31 23 00-0234 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	100.14	32.29
28 31 23 00-0235 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	103.07	32.29
28 31 23 00-0236 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	100.14	32.29
28 31 23 00-0237 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	16.43	6.45
28 31 23 00-0238 Hazardous Location Devices <small>(28 31 23 00-0002)</small>		
28 31 23 00-0239 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location <small>(28 31 23 00-0238)</small>		
28 31 23 00-0240 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	93.72	32.29
28 31 23 00-0241 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	93.72	32.29
28 31 23 00-0242 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	96.16	32.29
28 31 23 00-0243 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	96.16	32.29
28 31 23 00-0244 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	125.31	32.29
28 31 23 00-0245 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	125.31	32.29
28 31 23 00-0246 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	96.16	32.29
28 31 23 00-0247 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	96.16	32.29
28 31 23 00-0248 Hazardous Locations Fire Alarm Station <small>(28 31 23 00-0238)</small>		
28 31 23 00-0249 EA Hazardous Location Fire Alarm Station (EST3 XAL53).....	690.86	53.82
28 31 23 00-0250 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE).....	659.18	53.82
28 31 23 00-0251 Hazardous Location Strobes <small>(28 31 23 00-0238)</small>		
28 31 23 00-0252 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	999.65	32.29
28 31 23 00-0253 EA Wall Bracket Mounting Elbow (EST3 116EX-B).....	189.27	10.76
28 31 23 00-0254 EA Ceiling / Wall Mounting Module (EST3 116EX-C).....	246.96	12.92
28 31 23 00-0255 EA Pendant Mounting Module (EST3 116EX-P).....	183.18	12.92
28 31 23 00-0256 Hazardous Location Bells <small>(28 31 23 00-0238)</small>		
28 31 23 00-0257 EA 6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW).....	726.49	32.29
28 31 23 00-0258 EA 8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW).....	744.83	32.29
28 31 23 00-0259 EA 10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW).....	751.44	32.29
28 31 23 00-0260 Hazardous Location Horns <small>(28 31 23 00-0238)</small>		
28 31 23 00-0261 EA Hazardous Location Horns (EST3 888D-N5).....	710.68	32.29
28 31 23 00-0262 EA Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW).....	583.75	32.29
28 31 23 00-0263 Door Holders And Relays <small>(28 31 23 00-0002)</small>		
28 31 23 00-0264 Electromagnetic Door Holders <small>(28 31 23 00-0263)</small>		
28 31 23 00-0265 EA Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5).....	142.21	32.29
28 31 23 00-0266 EA Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5).....	179.03	32.29

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0267 EA Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5).....	123.41	32.29
28 31 23 00-0268 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5).....	123.41	32.29
28 31 23 00-0269 EA Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5).....	125.11	32.29
28 31 23 00-0270 EA Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5).....	126.73	32.29
28 31 23 00-0271 Control Relays, Multi-Voltage (28 31 23 00-0263)		
28 31 23 00-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	28.72	6.45
28 31 23 00-0273 FireShield Plus (28 31 23 00-0002)		
28 31 23 00-0274 3 Zone System (28 31 23 00-0273)		
28 31 23 00-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	817.38	258.32
28 31 23 00-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,172.96	344.43
28 31 23 00-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	817.38	258.32
28 31 23 00-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,172.96	344.43
28 31 23 00-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	53.25	10.76
28 31 23 00-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	53.25	10.76
28 31 23 00-0281 5 Zone System (28 31 23 00-0273)		
28 31 23 00-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R).....	868.72	258.32
28 31 23 00-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,221.37	344.43
28 31 23 00-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G).....	868.72	258.32
28 31 23 00-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,221.37	344.43
28 31 23 00-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	53.25	10.76
28 31 23 00-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	53.25	10.76
28 31 23 00-0288 10 Zone System (28 31 23 00-0273)		
28 31 23 00-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,238.97	344.43
28 31 23 00-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	1,594.57	430.53
28 31 23 00-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,216.97	344.43
28 31 23 00-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,594.57	430.53
28 31 23 00-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	61.20	10.76
28 31 23 00-0294 EA NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	112.90	21.53
28 31 23 00-0295 FireShield Plus Off Premise Communication Options (28 31 23 00-0273)		
28 31 23 00-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	233.76	21.53
28 31 23 00-0297 FireShield Plus Remote LED Annunciators (28 31 23 00-0273)		
28 31 23 00-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	112.18	32.29
28 31 23 00-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	112.18	32.29
28 31 23 00-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	115.92	32.29
28 31 23 00-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	22.46	6.45
28 31 23 00-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	27.25	6.45
28 31 23 00-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	38.75	6.45
28 31 23 00-0304 FireShield Plus Remote 10 Zone LED Annunciators (28 31 23 00-0273)		
28 31 23 00-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	313.97	32.29
28 31 23 00-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	343.31	32.29
28 31 23 00-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	116.40	21.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0308 FireShield Plus Remote Relays And Interfaces <small>(28 31 23 00-0273)</small>		
28 31 23 00-0309 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	122.39	21.53
28 31 23 00-0310 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	52.87	12.92
28 31 23 00-0311 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	188.28	21.53
28 31 23 00-0312 FireShield Plus Accessories <small>(28 31 23 00-0273)</small>		
28 31 23 00-0313 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	12.06	
28 31 23 00-0314 EA 4.7k UL End Of Line Resistor With Firesield Panels (EST3 EOL47PK7).....	8.04	
28 31 23 00-0315 iO Series Fire Control Panels <small>(28 31 23 00-0002)</small>		
28 31 23 00-0316 Intelligent Analog Control Panels <small>(28 31 23 00-0315)</small>		
28 31 23 00-0317 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	2,496.71	430.53
28 31 23 00-0318 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	2,639.01	430.53
28 31 23 00-0319 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G).....	1,993.84	344.43
28 31 23 00-0320 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,059.86	344.43
28 31 23 00-0321 Option Modules And Accessories For iO Series <small>(28 31 23 00-0315)</small>		
28 31 23 00-0322 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	211.28	32.29
28 31 23 00-0323 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	137.93	32.29
28 31 23 00-0324 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	137.93	32.29
28 31 23 00-0325 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	116.40	21.53
28 31 23 00-0326 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	225.15	17.22
28 31 23 00-0327 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	401.19	17.22
28 31 23 00-0328 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	52.34	10.76
28 31 23 00-0329 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	59.67	10.76
28 31 23 00-0330 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	746.25	43.05
28 31 23 00-0331 Remote Annunciators For iO Series <small>(28 31 23 00-0315)</small>		
28 31 23 00-0332 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	412.99	32.29
28 31 23 00-0333 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	431.33	32.29
28 31 23 00-0334 Remote Annunciator Accessories <small>(28 31 23 00-0315)</small>		
28 31 23 00-0335 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	50.87	10.76
28 31 23 00-0336 EA 12 Expander Cable (Cable Only) (EST3 7120313-01).....	36.20	10.76
28 31 23 00-0337 EA 24 Expander Cable (Cable Only) (EST3 7120313-02).....	47.20	10.76
28 31 23 00-0338 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	137.93	32.29
28 31 23 00-0339 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	156.26	32.29
28 31 23 00-0340 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	174.60	32.29
28 31 23 00-0341 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	36.20	10.76
28 31 23 00-0342 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	36.20	10.76
28 31 23 00-0343 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	68.25	10.76
28 31 23 00-0344 System Accessories <small>(28 31 23 00-0315)</small>		
28 31 23 00-0345 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1).....	244.68	43.05
28 31 23 00-0346 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,189.39	344.43
28 31 23 00-0347 Conventional Initiating Devices <small>(28 31 23 00-0002)</small>		
28 31 23 00-0348 Detectors, Heat, Double Pole <small>(28 31 23 00-0347)</small>		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0349 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	104.11	32.29
28 31 23 00-0350 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	104.11	32.29
28 31 23 00-0351 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	104.11	32.29
28 31 23 00-0352 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	104.11	32.29

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0353			Detectors, Rate Compensation Heat, Accessories (28 31 23 00-0347)		
28 31 23 00-0354	EA		Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	70.12	32.29
28 31 23 00-0355	EA		Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	154.35	17.22
28 31 23 00-0356	EA		4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	57.34	21.53
28 31 23 00-0357			Detectors, Heat, Fire-Lite (28 31 23 00-0347)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0358	EA		Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	98.50	32.29
28 31 23 00-0359	EA		Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	98.50	32.29
28 31 23 00-0360			Audio Notification Systems (Standalone Voice Evacuation) (28 31 23 00-0002)		
28 31 23 00-0361			Audio Notification Panels (28 31 23 00-0360)		
28 31 23 00-0362	EA		Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	3,039.57	430.53
28 31 23 00-0363	EA		Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	3,039.57	430.53
28 31 23 00-0364	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	2,328.07	430.53
28 31 23 00-0365	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	2,328.07	430.53
28 31 23 00-0366	EA		Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG).....	2,680.15	430.53
28 31 23 00-0367	EA		Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	2,680.15	430.53
28 31 23 00-0368			Audio Notification Expander Panels (28 31 23 00-0360)		
28 31 23 00-0369	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	2,386.75	430.53
28 31 23 00-0370	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	2,386.75	430.53
28 31 23 00-0371	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG).....	1,697.26	430.53
28 31 23 00-0372	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	1,697.26	430.53
28 31 23 00-0373	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	2,100.69	430.53
28 31 23 00-0374	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,100.69	430.53
28 31 23 00-0375			Audio Notification Output Accessories (28 31 23 00-0360)		
28 31 23 00-0376	EA		Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B).....	87.55	10.76
28 31 23 00-0377	EA		Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A).....	373.13	21.53
28 31 23 00-0378	EA		Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B).....	373.13	21.53
28 31 23 00-0379	EA		Class A Converter (GE ANSZSC4A).....	270.43	21.53
28 31 23 00-0380			Audio Notification Remote Microphone (28 31 23 00-0360)		
28 31 23 00-0381	EA		Microphone (GE ANSMIKE).....	109.07	21.53
28 31 23 00-0382	EA		Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	409.80	21.53
28 31 23 00-0383	EA		Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	409.80	21.53
28 31 23 00-0384	EA		Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	94.88	10.76
28 31 23 00-0385	EA		Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR).....	54.53	10.76
28 31 23 00-0386			Audio Notification Accessories (28 31 23 00-0360)		
28 31 23 00-0387	EA		Audio Matching - Line Input/Output Card (GE ANSAUX).....	175.08	21.53
28 31 23 00-0388	EA		Class B Backup Amplifier Switching Module (GE ANSBKUP).....	175.08	21.53
28 31 23 00-0389	EA		Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	175.08	21.53
28 31 23 00-0390	EA		Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8).....	373.13	21.53
28 31 23 00-0391			Audio Notification Modules, Without Cabinet And Transformer (28 31 23 00-0360)		
28 31 23 00-0392	EA		100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A).....	1,340.38	43.05
			Note: Excludes cabinet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0393 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	1,406.40	43.05
Note: Excludes cabinet.		
28 31 23 00-0394 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	1,934.52	43.05
Note: Excludes cabinet.		
28 31 23 00-0395 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	746.25	43.05
Note: Excludes cabinet.		
28 31 23 00-0396 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM).....	746.25	43.05
Note: Excludes cabinet.		
28 31 23 00-0397 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,340.38	43.05
28 31 23 00-0398 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,076.32	43.05
Note: Excludes cabinet.		
28 31 23 00-0399 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM)	1,142.34	43.05
Note: Excludes cabinet.		
28 31 23 00-0400 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)	1,670.46	43.05
Note: Excludes cabinet.		
28 31 23 00-0401 EA Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180).....	87.55	10.76
28 31 23 00-0402 EA Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885).....	66.30	10.76
28 31 23 00-0403 Simplex Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0404 4100 Fire Alarm Control Panel <small>(28 31 23 00-0403)</small>		
28 31 23 00-0405 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111)	3,943.69	429.85
28 31 23 00-0406 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141)	4,262.32	429.85
28 31 23 00-0407 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	5,931.13	429.85
28 31 23 00-0408 EA IDNet Module, Up To 127 Points (Simplex 4100-3104)	2,691.55	429.85
Note: Add-on module.		
28 31 23 00-0409 EA IDNet Module, Up To 64 Points (Simplex 4100-3105)	2,205.63	429.85
Note: Add-on module.		
28 31 23 00-0410 EA Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101)	1,168.51	107.46
Note: Add-on module.		
28 31 23 00-0411 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033)	243.91	21.50
Note: Add-on module.		
28 31 23 00-0412 EA Dual Port RS-232 Interface Card (Simplex 4100-6038)	678.71	21.50
Note: Add-on module.		
28 31 23 00-0413 4100U Backbox <small>(28 31 23 00-0403)</small>		
28 31 23 00-0414 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	1,202.92	85.97
Note: 24" x 40" beige backbox.		
28 31 23 00-0415 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	1,675.67	85.97
Note: 24" x 56" beige backbox.		
28 31 23 00-0416 DACT (Digital Alarm Communicator Transmitter) <small>(28 31 23 00-0403)</small>		
28 31 23 00-0417 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	656.48	42.98
28 31 23 00-0418 4010 Fire Alarm Control Panel <small>(28 31 23 00-0403)</small>		
28 31 23 00-0419 EA 120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,748.37	429.85
28 31 23 00-0420 EA 240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	3,780.59	429.85
28 31 23 00-0421 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	136.84	21.50
28 31 23 00-0422 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	563.80	21.50
28 31 23 00-0423 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	771.76	21.50
28 31 23 00-0424 EA 120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813).....	400.94	21.50
28 31 23 00-0425 EA 240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823).....	433.13	21.50
28 31 23 00-0426 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	168.12	21.50
28 31 23 00-0427 Printer <small>(28 31 23 00-0403)</small>		
28 31 23 00-0428 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,162.62	21.50
28 31 23 00-0429 NAC Panel / Power Booster <small>(28 31 23 00-0403)</small>		
28 31 23 00-0430 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201).....	800.37	107.46
Note: Power supply for horns and strobes.		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0431 Battery <small>(28 31 23 00-0403)</small>		
28 31 23 00-0432 EA 50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296).....	476.78	21.50
Note: Two required for 24 volt DC.		
28 31 23 00-0433 EA 33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276).....	320.46	21.50
Note: Two required for 24 volt DC.		
28 31 23 00-0434 EA 6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272).....	122.45	21.50
Note: Two required for 24 volt DC.		
28 31 23 00-0435 Interface Modules <small>(28 31 23 00-0403)</small>		
28 31 23 00-0436 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	100.97	21.50
Note: Monitor modules for waterflow/tamper, etc.		
28 31 23 00-0437 EA Relay Individual Addressable Modules (Simplex 4090-9002)	197.46	21.50
Note: Control modules for gas shutdown, door holders, etc.		
28 31 23 00-0438 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032)	55.51	21.50
Note: Interface relay for 120VAC		
28 31 23 00-0439 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	102.03	21.50
28 31 23 00-0440 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	46.01	10.74
28 31 23 00-0441 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	43.97	10.74
28 31 23 00-0442 Pull Stations <small>(28 31 23 00-0403)</small>		
28 31 23 00-0443 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	121.67	21.50
28 31 23 00-0444 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	89.98	21.50
28 31 23 00-0445 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	96.10	21.50
28 31 23 00-0446 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....	87.22	21.50
28 31 23 00-0447 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	100.19	21.50
28 31 23 00-0448 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	146.81	21.50
28 31 23 00-0449 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	124.71	21.50
28 31 23 00-0450 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	145.14	21.50
28 31 23 00-0451 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....	72.95	21.50
28 31 23 00-0452 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	76.69	21.50
28 31 23 00-0453 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	88.73	21.50
28 31 23 00-0454 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	132.49	21.50
28 31 23 00-0455 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	222.00	21.50
28 31 23 00-0456 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	79.76	21.50
28 31 23 00-0457 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	48.06	10.74
28 31 23 00-0458 Weatherproof Pull Stations <small>(28 31 23 00-0403)</small>		
28 31 23 00-0459 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....	121.06	25.80
28 31 23 00-0460 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	75.21	10.74
28 31 23 00-0461 Heat / Smoke Sensor <small>(28 31 23 00-0403)</small>		
28 31 23 00-0462 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	124.67	32.24
28 31 23 00-0463 EA Photoelectric Smoke Sensor (Simplex 4098-9714).....	174.82	32.24
28 31 23 00-0464 EA Sensor Base With Relay Driver (Simplex 4098-9791)	316.70	10.74
28 31 23 00-0465 EA Standard Sensor Base (Simplex 4098-9792).....	163.38	10.74
28 31 23 00-0466 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	101.34	21.50
Note: Relay for 4098-9791		
28 31 23 00-0467 Explosion Proof Heat Detector <small>(28 31 23 00-0403)</small>		
28 31 23 00-0468 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	131.08	32.24
28 31 23 00-0469 EA Explosion Proof Backbox (Killark JLX-21).....	80.76	10.74
28 31 23 00-0470 EA Explosion Proof Backbox Plugs (Killark CUP-2)	7.92	2.14
28 31 23 00-0471 Weatherproof Heat Detector <small>(28 31 23 00-0403)</small>		
28 31 23 00-0472 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	98.85	32.24
28 31 23 00-0473 200 Degree F Heat Detector <small>(28 31 23 00-0403)</small>		
28 31 23 00-0474 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	84.45	32.24
Note: Used in kiln rooms and kitchens.		
28 31 23 00-0475 Duct Smoke Sensor <small>(28 31 23 00-0403)</small>		
28 31 23 00-0476 EA Duct Sensor Housing (Simplex 4098-9755)	259.98	17.20
28 31 23 00-0477 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	357.79	38.68
Note: Relay output for AHU shutdown.		
28 31 23 00-0478 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	42.81	10.74
Note: 25", 49", 73" or 97" sampling tube length.		
28 31 23 00-0479 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	104.93	32.24



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0480		Interior Horn <small>(28 31 23 00-0403)</small>		
	EA	28 31 23 00-0481 Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	98.23	32.24
	EA	28 31 23 00-0482 White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	98.23	32.24
28 31 23 00-0483		Interior Horn Strobe <small>(28 31 23 00-0403)</small>		
	EA	28 31 23 00-0484 Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426).....	130.10	32.24
	EA	28 31 23 00-0485 Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427).....	130.10	32.24
	EA	28 31 23 00-0486 Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	122.83	32.24
	EA	28 31 23 00-0487 Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	122.83	32.24
	EA	28 31 23 00-0488 Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	122.83	32.24
	EA	28 31 23 00-0489 Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	122.83	32.24
	EA	28 31 23 00-0490 Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	125.27	32.24
	EA	28 31 23 00-0491 Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	125.27	32.24
	EA	28 31 23 00-0492 Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	129.56	32.24
	EA	28 31 23 00-0493 Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	127.58	32.24
	EA	28 31 23 00-0494 Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	129.56	32.24
	EA	28 31 23 00-0495 Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	127.58	32.24
	EA	28 31 23 00-0496 Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	122.83	32.24
	EA	28 31 23 00-0497 Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	122.83	32.24
	EA	28 31 23 00-0498 Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	122.83	32.24
	EA	28 31 23 00-0499 Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	122.83	32.24
28 31 23 00-0500		Interior Strobe <small>(28 31 23 00-0403)</small>		
	EA	28 31 23 00-0501 Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	107.38	32.24
	EA	28 31 23 00-0502 Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	107.38	32.24
	EA	28 31 23 00-0503 Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	107.35	32.24
	EA	28 31 23 00-0504 Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	107.38	32.24
	EA	28 31 23 00-0505 Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	116.62	32.24
	EA	28 31 23 00-0506 Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	116.62	32.24
	EA	28 31 23 00-0507 Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	117.21	32.24
	EA	28 31 23 00-0508 Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	118.82	32.24
	EA	28 31 23 00-0509 Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	118.82	32.24
	EA	28 31 23 00-0510 Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	118.82	32.24
	EA	28 31 23 00-0511 Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	107.38	32.24
	EA	28 31 23 00-0512 Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	107.38	32.24
	EA	28 31 23 00-0513 Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	107.38	32.24
	EA	28 31 23 00-0514 Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	107.38	32.24
28 31 23 00-0515		Interior Speakers <small>(28 31 23 00-0403)</small>		
	EA	28 31 23 00-0516 Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	90.41	32.24
	EA	28 31 23 00-0517 White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	90.41	32.24
	EA	28 31 23 00-0518 Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	90.41	32.24
28 31 23 00-0519		Interior Speaker Strobe <small>(28 31 23 00-0403)</small>		
	EA	28 31 23 00-0520 Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	137.30	32.24
	EA	28 31 23 00-0521 White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	137.30	32.24

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0522 Surge Suppressors (28 31 23 00-0403)		
28 31 23 00-0523 EA Overvoltage Suppressor (Simplex 2081-9044)	81.68	6.44
28 31 23 00-0524 EA Isolated Loop Circuit Protector (Simplex 2081-902B)	53.38	6.44
28 31 23 00-0525 EA 120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	171.34	6.44
28 31 23 00-0526 EA 24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B)	60.67	6.44
28 31 23 00-0527 EA Mounting Base For Two DTK-2MHL (Ditek DTK-2MB)	91.92	10.74
28 31 23 00-0528 EA 120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	65.41	6.44
28 31 23 00-0529 EA <105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	49.84	6.44
28 31 23 00-0530 Boxes And Adapters (28 31 23 00-0403)		
28 31 23 00-0531 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	43.97	10.74
28 31 23 00-0532 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	41.93	10.74
28 31 23 00-0533 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	37.92	10.74
28 31 23 00-0534 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940)	32.24	10.74
28 31 23 00-0535 Accessories (28 31 23 00-0403)		
28 31 23 00-0536 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	23.87	10.74
28 31 23 00-0537 Siemens Fire Alarm (28 31 23)		
28 31 23 00-0538 Conventional Control Panels (28 31 23 00-0537)		
28 31 23 00-0539 SXL Batteries And Power Supplies (28 31 23 00-0538)		
28 31 23 00-0540 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	684.51	42.98
28 31 23 00-0541 EA Main Board Only For PAD-3 (Siemens PAD-3-MB)	555.41	42.98
28 31 23 00-0542 Digital Fire Communicators (28 31 23 00-0538)		
28 31 23 00-0543 EA Four Channel Digital Slave Fire Communicator (Siemens 5129)	538.39	42.98
28 31 23 00-0544 Addressable Control Panels (28 31 23 00-0537)		
28 31 23 00-0545 Fireseeker Equipment (28 31 23 00-0544)		
28 31 23 00-0546 FS-250 System Panels (28 31 23 00-0545)		
28 31 23 00-0547 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	1,807.96	429.85
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 31 23 00-0548 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	2,202.29	429.85
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0549 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	1,356.70	343.88
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0550 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	1,810.31	429.85
28 31 23 00-0551 FS-250 Optional Modules (28 31 23 00-0545)		
28 31 23 00-0552 EA Main Board Module (Siemens FS-MB2)	689.20	42.98
28 31 23 00-0553 EA Display Board Module (Siemens FS-DB2)	531.20	21.50
28 31 23 00-0554 EA Device Loop Card (Siemens FS-DLC)	437.31	21.50
28 31 23 00-0555 EA Releasing Module (Siemens FS-REL)	200.24	21.50
28 31 23 00-0556 EA Remote LCD Annunciator (Siemens FS-RD2)	434.38	21.50
28 31 23 00-0557 EA Relay Processor Card (Siemens FS-RU2)	378.63	21.50
28 31 23 00-0558 EA Relay Expander Board (Siemens FS-RE8)	324.64	21.50
28 31 23 00-0559 EA Serial Annunciator Processor Card (Siemens FS-SAU2)	434.38	21.50
28 31 23 00-0560 EA 16 Output Annunciator Extender (Siemens FS-SAE16)	341.07	21.50
28 31 23 00-0561 EA Digital Alarm Communication Transmitter (Siemens FS-DACT)	311.15	21.50
28 31 23 00-0562 EA Municipal Tie Module (Siemens FS-MT)	265.96	21.50
28 31 23 00-0563 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	254.38	
28 31 23 00-0564 EA Programming Cable Kit (Siemens CBL-UD)	66.68	10.74
28 31 23 00-0565 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	121.02	21.50
28 31 23 00-0566 EA Releasing Power Transformer (Siemens FS-RPT-A)	122.78	21.50
28 31 23 00-0567 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	135.31	17.20
28 31 23 00-0568 EA Cabinet Trim Kit (Siemens RD-CAB-TK)	211.62	10.74
28 31 23 00-0569 Firefinder Systems (28 31 23 00-0544)		
28 31 23 00-0570 XLS Basic Fire System Packages Without Backbox (28 31 23 00-0569)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0571 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	6,034.13	429.85
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0572 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	5,364.00	429.85
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0573 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	5,364.00	429.85
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 31 23 00-0574 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	8,694.68	429.85
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 31 23 00-0575 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	8,972.82	429.85
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 31 23 00-0576 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	5,296.52	429.85
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0577 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	5,296.52	429.85
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0578 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	6,080.49	429.85
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0579 Firefinder - XLS Basic System Equipment (28 31 23 00-0569)		
28 31 23 00-0580 EA Person Machine Interface With Central Processor (Siemens PMI).....	2,815.49	429.85
Note: Includes inner door.		
28 31 23 00-0581 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	4,547.14	429.85
Note: Includes inner door.		
28 31 23 00-0582 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	2,815.49	429.85
Note: Includes inner door.		
28 31 23 00-0583 EA Two Slot Card Cage (Siemens CC-2).....	334.03	21.50
28 31 23 00-0584 EA Five Slot Card Cage (Siemens CC-5).....	557.60	21.50
28 31 23 00-0585 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	792.32	21.50
28 31 23 00-0586 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	826.94	21.50
28 31 23 00-0587 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	268.31	21.50
28 31 23 00-0588 EA Device Loop Card (Siemens DLC).....	937.26	21.50
Note: Interfaces with up to 252 detectors and devices.		
28 31 23 00-0589 EA Controllable Relay Card (Siemens CRC-6).....	535.31	21.50
Note: Provides six programmable relays.		
28 31 23 00-0590 EA 12 Amp Power Supply Charger Module (Siemens PSC-12).....	1,998.78	21.50
28 31 23 00-0591 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	3,598.29	429.85
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 31 23 00-0592 EA Network Interface Card (Siemens NIC-C).....	624.50	21.50
Note: Provides HNET Or XNET communication between enclosures.		
28 31 23 00-0593 EA 12 Amp Power Supply Extender (Siemens PSX-12).....	1,664.31	21.50
Note: Extends PSC-12 with an additional 24 volt DC.		
28 31 23 00-0594 EA Power Termination Board (Siemens PTB).....	289.44	21.50
Note: Used with systems requiring more than one PSX-12.		
28 31 23 00-0595 EA Conventional Detector Card (Siemens CDC-4).....	602.20	21.50
28 31 23 00-0596 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,169.64	21.50
28 31 23 00-0597 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,178.75	21.50
28 31 23 00-0598 Remote Lobby Enclosure (28 31 23 00-0569)		
28 31 23 00-0599 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	809.79	85.97
Note: Flush mounted. Includes clear lens plate on cover.		
28 31 23 00-0600 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	1,032.78	85.97
Note: Flush mounted. Includes clear lens plate on cover.		
28 31 23 00-0601 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	132.76	21.50
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 31 23 00-0602 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	143.91	21.50
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 31 23 00-0603 Battery Enclosures (28 31 23 00-0569)		
28 31 23 00-0604 EA Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	518.74	85.97

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0605			Graphic Annunciator Output Drivers And Inputs (28 31 23 00-0569)		
28 31 23 00-0606	EA		Output Control Module (Siemens OCM-16)	389.78	21.50
28 31 23 00-0607	EA		Supervised Input Module (Siemens SIM-16).....	389.78	21.50
28 31 23 00-0608			Remote LCD Displays (28 31 23 00-0569)		
28 31 23 00-0609	EA		Remote LED/LCD System Status Display (Siemens SSD)	911.16	64.48
			Note: No control or menu capability.		
28 31 23 00-0610	EA		Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,023.24	64.48
28 31 23 00-0611			Voice Equipment (28 31 23 00-0569)		
28 31 23 00-0612	EA		40W Zone Amplifier Card (Siemens ZAC-40)	883.28	21.50
28 31 23 00-0613	EA		180W Zone Amplifier Module (Siemens ZAM-180)	1,943.63	21.50
28 31 23 00-0614	EA		Live Voice Module (Siemens LVM)	825.18	21.50
			Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 31 23 00-0615			MXL Series Equipment (28 31 23 00-0544)		
28 31 23 00-0616			MXL Optional Equipment (28 31 23 00-0615)		
28 31 23 00-0617	EA		Two Circuit Analog Loop Driver (Siemens ALD-2I)	961.48	42.98
28 31 23 00-0618	EA		CXL/MXL Interface Module (Siemens CMI-300)	2,437.12	21.50
28 31 23 00-0619	EA		Four Relay Programmable Relay Module (Siemens CRM-4)	427.92	21.50
28 31 23 00-0620	EA		Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	514.18	21.50
28 31 23 00-0621	EA		Remote Conventional Zone Module (Siemens CZM-1B6)	200.83	21.50
28 31 23 00-0622	EA		Short Circuit Line Isolator Module (Siemens Model LIM-1)	128.65	21.50
28 31 23 00-0623	EA		Four Circuit Conventional Zone Module (Siemens CZM-4).....	500.68	21.50
28 31 23 00-0624	EA		12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	193.58	32.24
28 31 23 00-0625	EA		Lexan Window For RCC (Siemens GENBOX-WD).....	128.85	17.20
28 31 23 00-0626	EA		Input Driver Module (Siemens MID-16)	332.27	21.50
28 31 23 00-0627	EA		Programmable Output Driver Module (Siemens MOD-16).....	332.27	21.50
28 31 23 00-0628	EA		MXL Output/Input Module (Siemens MOI-7)	524.74	21.50
28 31 23 00-0629	EA		Two Slot Network Option Module Card Cage (Siemens MOM-2)	284.74	21.50
28 31 23 00-0630	EA		Four Slot Network Option Module Card Cage (Siemens MOM-4)	441.42	21.50
28 31 23 00-0631	EA		12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220)	1,091.90	64.48
28 31 23 00-0632	EA		12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240)	1,091.90	64.48
28 31 23 00-0633	EA		Network Interface Module (Siemens NIM-1W)	777.07	21.50
28 31 23 00-0634	EA		U.L. Listed Parallel Printer (Siemens PAL-1)	2,049.70	85.97
28 31 23 00-0635	EA		Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	236.04	21.50
28 31 23 00-0636	EA		Surface Mounted Remote Command Center (Siemens RCC-1).....	2,423.51	429.85
28 31 23 00-0637	EA		Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	293.11	42.98
28 31 23 00-0638	EA		Flush Mounted Remote Command Center (Siemens RCC-1F)	2,423.51	429.85
28 31 23 00-0639	EA		Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	300.15	42.98
28 31 23 00-0640	EA		Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	1,915.93	429.85
28 31 23 00-0641	EA		MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,754.47	429.85
28 31 23 00-0642	EA		RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	47.91	10.74
28 31 23 00-0643	EA		Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,137.33	42.98
28 31 23 00-0644	EA		Remote Diagnostics Module For PC (Siemens RDM-PC)	6,656.37	42.98
28 31 23 00-0645	EA		Releasing End Of Line Module (Siemens REL-EOL)	106.94	21.50
28 31 23 00-0646	EA		36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	2,008.91	42.98
28 31 23 00-0647	EA		36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	1,919.13	42.98
28 31 23 00-0648	EA		8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,052.73	85.97
28 31 23 00-0649			Complete MXL And MXLV System Packages Without Enclosure (28 31 23 00-0615)		
28 31 23 00-0650	EA		MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP)	7,732.92	429.85
			Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 31 23 00-0651	EA		MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP)	9,932.24	429.85
			Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 31 23 00-0652	EA		MXLV Demonstration Panel (Siemens MXLV DEMO)	20,203.59	429.85
28 31 23 00-0653			MXL Basic System (28 31 23 00-0615)		
28 31 23 00-0654	EA		MXL/MXLV Main Control Board (Siemens MMB-3)	4,965.57	429.85
28 31 23 00-0655	EA		MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)	6,279.41	429.85
			Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0656 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,697.91	42.98
28 31 23 00-0657 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,121.58	42.98
28 31 23 00-0658 EA 6 Amp Power Supply For MXL (Siemens MPS-6)	762.70	64.48
28 31 23 00-0659 EA 220/240 VAC Adapter Cable (Siemens CIA-12)	59.64	10.74
28 31 23 00-0660 MXL/MXLV System Expansion Accessories <small>(28 31 23 00-0615)</small>		
28 31 23 00-0661 EA MXL Remote Power Supply Module (Siemens PSR-1)	928.77	64.48
28 31 23 00-0662 EA Style 4 Communication Module (Siemens NET-4)	194.96	21.50
28 31 23 00-0663 EA Style 7 Communication Module (Siemens NET-7)	345.77	21.50
28 31 23 00-0664 EA MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	211.98	21.50
28 31 23 00-0665 Peripheral Devices <small>(28 31 23 00-0544)</small>		
28 31 23 00-0666 Thermal Detectors <small>(28 31 23 00-0665)</small>		
28 31 23 00-0667 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	93.23	32.24
28 31 23 00-0668 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	93.23	32.24
28 31 23 00-0669 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	93.23	32.24
28 31 23 00-0670 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	93.23	32.24
28 31 23 00-0671 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	137.24	32.24
28 31 23 00-0672 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	137.24	32.24
28 31 23 00-0673 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	315.04	32.24
28 31 23 00-0674 Beam Smoke Detector <small>(28 31 23 00-0665)</small>		
28 31 23 00-0675 EA Linear Beam Smoke Detector (Siemens PBA-1191)	1,442.04	32.24
28 31 23 00-0676 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191)	167.03	10.74
28 31 23 00-0677 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	168.79	10.74
28 31 23 00-0678 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	88.98	10.74
28 31 23 00-0679 Bases For Detectors <small>(28 31 23 00-0665)</small>		
28 31 23 00-0680 EA Detector Base (Siemens DB-11)	30.30	10.74
28 31 23 00-0681 EA Universal Base (Siemens DB-3S)	28.54	10.74
28 31 23 00-0682 Manual Stations <small>(28 31 23 00-0665)</small>		
28 31 23 00-0683 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	191.83	25.80
28 31 23 00-0684 Addressable Devices <small>(28 31 23 00-0544)</small>		
28 31 23 00-0685 Intelligent Detectors And Devices For Firefinder XLS And FS-250 <small>(28 31 23 00-0684)</small>		
28 31 23 00-0686 EA Addressable Fireprint Fire Detector (Siemens HFP-11)	165.41	32.24
28 31 23 00-0687 EA Addressable Thermal Fire Detector (Siemens HFPT-11)	144.87	32.24
28 31 23 00-0688 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	120.81	32.24
28 31 23 00-0689 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	86.19	32.24
28 31 23 00-0690 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	86.19	32.24
28 31 23 00-0691 EA Addressable Single Action Manual Pull Station (Siemens HMS-S)	166.79	21.50
28 31 23 00-0692 EA Addressable Double Action Manual Pull Station (Siemens HMS-D)	159.75	21.50
28 31 23 00-0693 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	128.65	21.50
28 31 23 00-0694 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	155.06	21.50
28 31 23 00-0695 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	155.06	21.50
28 31 23 00-0696 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	119.85	21.50
28 31 23 00-0697 EA Line Isolator Module (Siemens HLIM)	123.37	21.50
28 31 23 00-0698 EA Remote Convention Zone Module (Siemens HZM)	177.36	21.50
28 31 23 00-0699 EA Intelligent Control Point Module (Siemens HCP)	221.95	21.50
28 31 23 00-0700 EA Handheld Programming And Testing Unit (Siemens DPU)	936.91	
28 31 23 00-0701 EA DPU Carrying Case (Siemens DPU-C1)	146.69	
28 31 23 00-0702 EA Label Printer And Carrying Case (Siemens DPU-PRT)	1,606.22	21.50
28 31 23 00-0703 Air Duct Housings And Detectors <small>(28 31 23 00-0684)</small>		
28 31 23 00-0704 EA Air-Duct Housing (Siemens AD2-P)	179.32	17.20
28 31 23 00-0705 EA Air-Duct Housing With Relay (Siemens AD2-XHR)	201.62	17.20
28 31 23 00-0706 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	165.62	21.50
28 31 23 00-0707 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	24.64	6.44
28 31 23 00-0708 EA >1' To 3' Duct Sampling Tube (Siemens ST-25)	30.70	8.60
28 31 23 00-0709 EA >3' To 5' Duct Sampling Tube (Siemens ST-50)	38.52	10.74
28 31 23 00-0710 EA >5' To 10' Duct Sampling Tube (Siemens ST-100)	45.16	12.90
28 31 23 00-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV <small>(28 31 23 00-0684)</small>		
28 31 23 00-0712 EA Addressable Fireprint Fire Detector (Siemens FP-11)	171.86	32.24
28 31 23 00-0713 EA Addressable Thermal Fire Detector (Siemens FPT-11)	150.15	32.24
28 31 23 00-0714 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	188.29	32.24
28 31 23 00-0715 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	162.69	21.50
28 31 23 00-0716 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B)	178.53	21.50
28 31 23 00-0717 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	164.45	21.50

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0718	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	180.88	21.50
28 31	23 00-0719	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	180.88	21.50
28 31	23 00-0720		Detector Universal Bases (28 31 23 00-0684)		
28 31	23 00-0721	EA	Detector Base With Relay (Siemens DB-X11RS).....	77.25	10.74
28 31	23 00-0722	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	42.04	10.74
28 31	23 00-0723	EA	Locking Kit (Siemens LK-11).....	9.07	
28 31	23 00-0724	EA	Detector Base With Relay (Siemens DB-X3RS).....	77.25	10.74
28 31	23 00-0725	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	88.98	10.74
28 31	23 00-0726	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	40.28	10.74
28 31	23 00-0727	EA	Flush Trim Ring For Bases (Siemens RA-ADB).....	19.94	6.44
28 31	23 00-0728	EA	Seal For DB-11 (Siemens DB11-SEAL).....	10.48	
28 31	23 00-0729	EA	Gasket For DB-11 (Siemens DB-SEAL).....	11.26	
28 31	23 00-0730	EA	Detector Guard Housing (Siemens DGH-11).....	110.69	10.74
28 31	23 00-0731	EA	Small Detector Base (Siemens DB-11E).....	32.65	10.74
28 31	23 00-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A).....	99.54	10.74
28 31	23 00-0733	EA	Base Plug (Siemens DB-11-DP).....	9.05	
28 31	23 00-0734		Air Duct Smoke Detectors (28 31 23 00-0684)		
28 31	23 00-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	90.51	21.50
28 31	23 00-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	422.64	21.50
28 31	23 00-0737		Notification Devices (28 31 23 00-0544)		
28 31	23 00-0738		Synchronization Control Devices (28 31 23 00-0737)		
28 31	23 00-0739	EA	Dual Synchronization Control Module (Siemens DSC).....	128.65	21.50
28 31	23 00-0740		Stand Alone Strobes (28 31 23 00-0737)		
28 31	23 00-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	114.36	32.24
28 31	23 00-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	123.16	32.24
28 31	23 00-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	114.36	32.24
28 31	23 00-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	123.16	32.24
28 31	23 00-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	123.16	32.24
28 31	23 00-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	114.36	32.24
28 31	23 00-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	129.61	32.24
28 31	23 00-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	124.92	32.24
28 31	23 00-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	124.92	32.24
28 31	23 00-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	132.55	32.24
28 31	23 00-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	132.55	32.24
28 31	23 00-0752		Horns And Strobes (28 31 23 00-0737)		
28 31	23 00-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	148.98	32.24
28 31	23 00-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	156.61	32.24
28 31	23 00-0755	EA	Wall Mounted Horn (Siemens SE-R).....	93.23	32.24
28 31	23 00-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	148.98	32.24
28 31	23 00-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	156.61	32.24
28 31	23 00-0758	EA	Ceiling Mounted Horn (Siemens SEC-R).....	96.75	32.24
28 31	23 00-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	148.98	32.24
28 31	23 00-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	156.61	32.24
28 31	23 00-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R).....	93.23	32.24
28 31	23 00-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	148.98	32.24
28 31	23 00-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	156.61	32.24
28 31	23 00-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	96.75	32.24
28 31	23 00-0765	EA	Mini Horn (Siemens MH-R).....	80.32	32.24
28 31	23 00-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	97.93	32.24
28 31	23 00-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	141.35	32.24
28 31	23 00-0768	EA	Industrial Tri-Tone Horn (Siemens ASR).....	372.55	32.24
28 31	23 00-0769	EA	Wall Mounted Horn (Siemens HS-R).....	97.93	32.24
28 31	23 00-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	141.94	32.24
28 31	23 00-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	151.33	32.24
28 31	23 00-0772	EA	6" Motor Bell (Siemens MBDC-6).....	109.66	32.24
28 31	23 00-0773	EA	10" Motor Bell (Siemens MBDC-10).....	118.47	32.24
28 31	23 00-0774		Mounting Accessories (28 31 23 00-0737)		
28 31	23 00-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R).....	28.54	10.74
28 31	23 00-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	28.54	10.74
28 31	23 00-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	29.13	10.74
28 31	23 00-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	43.21	10.74
28 31	23 00-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	35.58	10.74
28 31	23 00-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R).....	37.34	10.74
28 31	23 00-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	39.69	10.74
28 31	23 00-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R).....	32.65	10.74
28 31	23 00-0783	EA	Semi-Flush Plate (Siemens SFPS-R).....	27.95	10.74
28 31	23 00-0784	EA	Square Surface Backbox (Siemens SHBBS-R).....	32.65	10.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0785 EA Horn Adapter Plate (Siemens SHMPS-R).....	31.48	10.74
28 31 23 00-0786 EA Ceiling Speaker Extension Ring (Siemens SPECT-R).....	28.54	10.74
28 31 23 00-0787 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	35.58	10.74
28 31 23 00-0788 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	37.34	10.74
28 31 23 00-0789 EA Weatherproof Speaker Backbox (Siemens WBBS-R).....	36.17	10.74
28 31 23 00-0790 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	39.69	10.74
28 31 23 00-0791 EA Weatherproof Flush Plate (Siemens WFPAS-R).....	39.69	10.74
28 31 23 00-0792 EA Weatherproof Horn Flush Plate (Siemens WFPS-R).....	39.69	10.74
28 31 23 00-0793 EA Weatherproof Horn Backbox (Siemens WPBBS-R).....	37.34	10.74
28 31 23 00-0794 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	37.34	10.74
28 31 23 00-0795 EA Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	28.54	10.74
28 31 23 00-0796 EA Z Series Backbox (Siemens ZBB-R).....	31.48	10.74
28 31 23 00-0797 Door Holders <small>(28 31 23 00-0737)</small>		
28 31 23 00-0798 EA 120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	215.87	32.24
28 31 23 00-0799 EA 24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	215.87	32.24
28 31 23 00-0800 Voice Equipment <small>(28 31 23 00-0544)</small>		
28 31 23 00-0801 Voicecom <small>(28 31 23 00-0800)</small>		
28 31 23 00-0802 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	3,274.37	429.85
28 31 23 00-0803 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	5,064.11	429.85
28 31 23 00-0804 Johnson Controls Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-0805 EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	132.90	32.24
28 31 23 00-0806 EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	131.62	32.24
28 31 23 00-0807 EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	160.76	32.24
28 31 23 00-0808 EA Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	160.36	32.24
28 31 23 00-0809 EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	420.50	42.98
28 31 23 00-0810 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	126.40	32.24
28 31 23 00-0811 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	114.34	32.24
28 31 23 00-0812 EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	111.78	32.24
28 31 23 00-0813 EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	308.32	32.24
28 31 23 00-0814 EA 100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100).....	1,458.33	64.48
28 31 23 00-0815 EA AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E).....	1,413.87	64.48
28 31 23 00-0816 EA 120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120).....	1,437.86	64.48
28 31 23 00-0817 EA AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E).....	1,377.98	64.48
28 31 23 00-0818 EA 30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30).....	686.18	64.48
28 31 23 00-0819 EA AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E).....	686.18	64.48
28 31 23 00-0820 EA Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	667.49	21.50
28 31 23 00-0821 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	693.89	21.50
28 31 23 00-0822 EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	512.26	21.50
28 31 23 00-0823 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	512.26	21.50
28 31 23 00-0824 EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	364.22	21.50
28 31 23 00-0825 EA Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	1,162.71	42.98
28 31 23 00-0826 EA Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	512.26	21.50
28 31 23 00-0827 EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	532.10	21.50
28 31 23 00-0828 EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	460.21	21.50
28 31 23 00-0829 EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	460.21	21.50
28 31 23 00-0830 EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	84.44	19.34
28 31 23 00-0831 EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	708.69	42.98
28 31 23 00-0832 EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,521.62	42.98
28 31 23 00-0833 EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	708.69	42.98
28 31 23 00-0834 EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,521.62	42.98
28 31 23 00-0835 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	32.26	10.74
28 31 23 00-0836 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	78.58	10.74
28 31 23 00-0837 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	74.39	10.74

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0838 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	34.05	10.74
28 31 23 00-0839 EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	31.08	10.74
28 31 23 00-0840 EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	522.09	42.98
28 31 23 00-0841 EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	1,205.70	64.48
28 31 23 00-0842 EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	1,273.00	64.48
28 31 23 00-0843 EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	142.64	10.74
28 31 23 00-0844 EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	97.78	10.74
28 31 23 00-0845 EA Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	1,206.69	64.48
28 31 23 00-0846 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,115.97	64.48
28 31 23 00-0847 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	1,115.97	64.48
28 31 23 00-0848 EA Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	1,304.68	64.48
28 31 23 00-0849 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,205.70	64.48
28 31 23 00-0850 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	1,205.70	64.48
28 31 23 00-0851 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	1,205.70	64.48
28 31 23 00-0852 EA Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	1,436.43	64.48
28 31 23 00-0853 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	1,436.43	64.48
28 31 23 00-0854 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	1,436.43	64.48
28 31 23 00-0855 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	156.10	21.50
28 31 23 00-0856 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	234.56	21.50
28 31 23 00-0857 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	24.35	8.60
28 31 23 00-0858 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	26.20	8.60
28 31 23 00-0859 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	60.31	12.90
28 31 23 00-0860 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	30.33	8.60
28 31 23 00-0861 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	37.51	10.74
28 31 23 00-0862 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	235.89	21.50
28 31 23 00-0863 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	395.54	42.98
28 31 23 00-0864 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS- 610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	341.76	64.48
28 31 23 00-0865 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS- 610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	462.59	64.48
28 31 23 00-0866 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS- 610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	502.97	64.48
28 31 23 00-0867 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	254.35	8.60
28 31 23 00-0868 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	381.48	8.60
28 31 23 00-0869 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	418.88	8.60
28 31 23 00-0870 EA 6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6).....	693.08	85.97
28 31 23 00-0871 EA 8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8).....	697.44	85.97
28 31 23 00-0872 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2- 640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	653.88	64.48
28 31 23 00-0873 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	120.21	10.74
28 31 23 00-0874 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	336.39	21.50
28 31 23 00-0875 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	187.33	32.24
28 31 23 00-0876 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	155.51	32.24
28 31 23 00-0877 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	162.75	32.24
28 31 23 00-0878 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,218.05	42.98
28 31 23 00-0879 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,483.61	42.98
28 31 23 00-0880 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	452.08	21.50
28 31 23 00-0881 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320).....	3,166.31	343.88
28 31 23 00-0882 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	1,496.50	42.98
28 31 23 00-0883 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	20,008.91	515.81
28 31 23 00-0884 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	21,803.47	515.81
28 31 23 00-0885 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	24,495.32	515.81
28 31 23 00-0886 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	21,803.47	515.81
28 31 23 00-0887 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	149.63	12.90
28 31 23 00-0888 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	167.57	12.90
28 31 23 00-0889 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	181.93	12.90
28 31 23 00-0890 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	334.47	12.90
28 31 23 00-0891 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	110.51	8.60
28 31 23 00-0892 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	175.37	19.34
28 31 23 00-0893 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	185.66	19.34
28 31 23 00-0894 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	332.98	19.34
28 31 23 00-0895 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	326.77	8.60
28 31 23 00-0896 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	438.93	8.60
28 31 23 00-0897 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	542.12	8.60
28 31 23 00-0898 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	162.02	21.50
28 31 23 00-0899 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	74.91	8.60



Electronic Safety And Security	28	28
Electronic Detection And Alarm	28 30	
Fire Detection And Alarm	28 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0900 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,159.52	343.88
28 31 23 00-0901 EA Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640).....	2,285.79	257.91
28 31 23 00-0902 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	4,050.35	343.88
28 31 23 00-0903 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	3,853.77	257.91
28 31 23 00-0904 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	2,813.11	257.91
28 31 23 00-0905 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,485.15	32.24
28 31 23 00-0906 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,500.13	32.24
28 31 23 00-0907 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,500.13	32.24
28 31 23 00-0908 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,777.81	42.98
28 31 23 00-0909 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	1,509.95	42.98
28 31 23 00-0910 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,413.10	257.91
28 31 23 00-0911 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,078.92	42.98
28 31 23 00-0912 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	891.35	42.98
28 31 23 00-0913 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,421.47	42.98
28 31 23 00-0914 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	438.73	10.74
28 31 23 00-0915 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	143.71	8.60
28 31 23 00-0916 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	176.01	8.60
28 31 23 00-0917 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	354.40	10.74
28 31 23 00-0918 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	646.01	10.74
28 31 23 00-0919 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,166.23	10.74
28 31 23 00-0920 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	96.32	10.74
28 31 23 00-0921 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	150.34	10.74
28 31 23 00-0922 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	76.75	10.74
28 31 23 00-0923 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	105.57	10.74
28 31 23 00-0924 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ).....	84.32	10.74
28 31 23 00-0925 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	134.16	10.74
28 31 23 00-0926 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	152.25	10.74
28 31 23 00-0927 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	88.17	10.74
28 31 23 00-0928 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,241.71	32.24
28 31 23 00-0929 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,100.87	21.50
28 31 23 00-0930 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,018.32	21.50
28 31 23 00-0931 EA Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	40.00	4.30
28 31 23 00-0932 EA Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	892.18	21.50
28 31 23 00-0933 EA Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	850.06	21.50
28 31 23 00-0934 EA NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,164.39	42.98
28 31 23 00-0935 EA NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	605.95	21.50
28 31 23 00-0936 EA Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	167.04	8.60
28 31 23 00-0937 EA Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	386.65	21.50
28 31 23 00-0938 EA Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	386.65	21.50
28 31 23 00-0939 EA Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	105.14	8.60
28 31 23 00-0940 EA SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	28.89	4.30
28 31 23 00-0941 EA SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	28.89	4.30
28 31 23 00-0942 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR).....	118.33	32.24
28 31 23 00-0943 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH).....	130.88	32.24
28 31 23 00-0944 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	153.84	36.54
28 31 23 00-0945 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	152.04	36.54
28 31 23 00-0946 EA Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	942.71	85.97
28 31 23 00-0947 EA Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	745.30	85.97
28 31 23 00-0948 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW).....	118.33	32.24
28 31 23 00-0949 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH).....	130.88	32.24
28 31 23 00-0950 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P).....	118.33	32.24
28 31 23 00-0951 EA Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	22.90	8.60
28 31 23 00-0952 EA SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	23.00	4.30
28 31 23 00-0953 EA SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	25.88	4.30
28 31 23 00-0954 EA SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	23.02	4.30
28 31 23 00-0955 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR).....	109.67	32.24
28 31 23 00-0956 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH).....	130.88	32.24

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0957	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	153.84	36.54
28 31	23 00-0958	EA	Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P).....	130.88	32.24
28 31	23 00-0959	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	152.04	36.54
28 31	23 00-0960	EA	Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P).....	118.33	32.24
28 31	23 00-0961	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW).....	118.33	32.24
28 31	23 00-0962	EA	Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH).....	130.88	32.24
28 31	23 00-0963	EA	Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P).....	130.88	32.24
28 31	23 00-0964	EA	Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P).....	118.33	32.24
28 31	23 00-0965	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	146.22	10.74
28 31	23 00-0966	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	642.95	42.98
28 31	23 00-0967	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	172.92	42.98
28 31	23 00-0968	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	75.54	21.50
28 31	23 00-0969	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	75.54	21.50
28 31	23 00-0970	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	129.93	21.50
28 31	23 00-0971	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	140.33	21.50
28 31	23 00-0972	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH).....	140.33	21.50
28 31	23 00-0973	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	125.80	21.50
28 31	23 00-0974	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	167.45	21.50
28 31	23 00-0975	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	129.93	21.50
28 31	23 00-0976	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	75.54	21.50
28 31	23 00-0977	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	75.54	21.50
28 31	23 00-0978	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	140.33	21.50
28 31	23 00-0979	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	129.93	21.50
28 31	23 00-0980	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	129.93	21.50
28 31	23 00-0981		Honeywell Fire Alarm (28 31 23)		
28 31	23 00-0982		Notifier Fire Alarm (28 31 23 00-0981)		
28 31	23 00-0983		Fire Alarm Control Panel And Accessories (28 31 23 00-0982)		
28 31	23 00-0984	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	3,838.19	429.85
28 31	23 00-0985	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	3,223.99	429.85
28 31	23 00-0986	EA	Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	3,830.96	429.85
28 31	23 00-0987	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	3,918.59	429.85
28 31	23 00-0988	EA	Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	3,823.39	429.85
28 31	23 00-0989	EA	Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	3,823.39	429.85
28 31	23 00-0990	EA	Two-Tone Sequential Module (Notifier 2TTM).....	194.98	21.50
28 31	23 00-0991	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	58.20	4.30
28 31	23 00-0992	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	113.20	8.60
28 31	23 00-0993	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	172.20	12.90
28 31	23 00-0994	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	268.80	
28 31	23 00-0995	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	38.40	
28 31	23 00-0996	EA	120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	3,745.79	429.85
28 31	23 00-0997	EA	240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	3,745.79	429.85
28 31	23 00-0998	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	145.40	4.30
28 31	23 00-0999	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	44.60	4.30
28 31	23 00-1000	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	57.20	8.60
28 31	23 00-1001	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	64.70	10.74
28 31	23 00-1002	EA	IP Communicator (Notifier IPDACT-2).....	487.78	21.50
28 31	23 00-1003	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	567.78	21.50
28 31	23 00-1004	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	131.78	21.50
28 31	23 00-1005	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	131.78	21.50
28 31	23 00-1006	EA	Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G).....	680.48	32.24
28 31	23 00-1007	EA	Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	34.80	8.60
28 31	23 00-1008	EA	Loop Control Module (Notifier LCM-320).....	1,297.52	42.98
28 31	23 00-1009	EA	Loop Expander Module (Notifier LEM-320).....	1,125.70	42.98
28 31	23 00-1010	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	988.41	42.98
28 31	23 00-1011	EA	7' DACT Phone Cord (Notifier MCBL-7).....	16.60	
28 31	23 00-1012	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	122.30	10.74
28 31	23 00-1013	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	143.78	21.50
28 31	23 00-1014	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	143.78	21.50
28 31	23 00-1015	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	542.98	21.50
28 31	23 00-1016	EA	Universal Zone Coder (Notifier UZC-256).....	730.98	21.50
28 31	23 00-1017	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	221.40	
28 31	23 00-1018	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	504.74	
28 31	23 00-1019	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	338.34	
28 31	23 00-1020	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,405.80	12.90
28 31	23 00-1021		ONYX Cabinets (28 31 23 00-0982)		
28 31	23 00-1022	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	315.10	10.74
28 31	23 00-1023	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	420.70	10.74
28 31	23 00-1024	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	518.30	10.74
28 31	23 00-1025	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	79.40	12.90
28 31	23 00-1026	EA	Chassis Bridge (Notifier CB-1).....	69.50	10.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1027 EA Four Position Chassis (Notifier CHS-4).....	116.70	10.74
28 31 23 00-1028 EA Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	137.72	21.50
28 31 23 00-1029 EA Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	63.00	12.90
28 31 23 00-1030 EA Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	86.60	12.90
28 31 23 00-1031 EA One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	248.52	21.50
28 31 23 00-1032 EA One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	161.00	21.50
28 31 23 00-1033 EA Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	316.58	32.24
28 31 23 00-1034 EA Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	200.17	32.24
28 31 23 00-1035 EA Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	470.55	42.98
28 31 23 00-1036 EA Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	293.11	42.98
28 31 23 00-1037 EA Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	571.52	53.74
28 31 23 00-1038 EA Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	341.90	53.74
28 31 23 00-1039 EA Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	177.50	10.74
28 31 23 00-1040 EA Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	119.10	10.74
28 31 23 00-1041 EA Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	111.90	10.74
28 31 23 00-1042 EA Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	178.30	10.74
28 31 23 00-1043 EA Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	139.10	10.74
28 31 23 00-1044 EA Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	226.30	10.74
28 31 23 00-1045 EA Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	156.70	10.74
28 31 23 00-1046 EA Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	272.70	10.74
28 31 23 00-1047 EA Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	227.90	10.74
28 31 23 00-1048 EA Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	404.70	10.74
28 31 23 00-1049 EA Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	255.10	10.74
28 31 23 00-1050 EA Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	483.90	10.74
28 31 23 00-1051 EA Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	243.78	21.50
28 31 23 00-1052 EA Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	354.18	21.50
28 31 23 00-1053 EA Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	417.38	21.50
28 31 23 00-1054 EA Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	261.38	21.50
28 31 23 00-1055 EA Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	378.98	21.50
28 31 23 00-1056 EA Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	440.58	21.50
28 31 23 00-1057 EA Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	243.78	21.50
28 31 23 00-1058 EA Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	354.18	21.50
28 31 23 00-1059 EA Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	417.38	21.50
28 31 23 00-1060 EA Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	261.38	21.50
28 31 23 00-1061 EA Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	378.98	21.50
28 31 23 00-1062 EA Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	440.58	21.50
28 31 23 00-1063 EA Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	2,261.85	107.46
28 31 23 00-1064 EA CAB-4 Series Mounting Kit (Notifier P40-KITB).....	222.98	21.50
Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 31 23 00-1065 EA Black, One Tier Backbox Assembly (Notifier SBB-A4).....	265.45	64.48
28 31 23 00-1066 EA Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	373.46	85.97
28 31 23 00-1067 EA Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	481.85	85.97
28 31 23 00-1068 EA Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	587.46	107.46
28 31 23 00-1069 EA Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	143.78	21.50
28 31 23 00-1070 EA Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	143.78	21.50
28 31 23 00-1071 EA Red, One Tier Backbox Assembly (Notifier SBB-AA4R).....	178.98	21.50
28 31 23 00-1072 EA Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	243.78	21.50
28 31 23 00-1073 EA Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	351.78	21.50
28 31 23 00-1074 EA Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	414.18	21.50
28 31 23 00-1075 EA Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	131.40	12.90
28 31 23 00-1076 EA Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	131.40	12.90
28 31 23 00-1077 EA Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	171.40	12.90
28 31 23 00-1078 EA Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	140.20	12.90
28 31 23 00-1079 EA Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	140.20	12.90
28 31 23 00-1080 EA Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	138.60	12.90
28 31 23 00-1081 EA Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	141.80	12.90
28 31 23 00-1082 EA 2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	58.20	12.90
28 31 23 00-1083 EA Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	37.00	4.30
28 31 23 00-1084 NFS2-3030/640 Cabinet Mechanicals (28 31 23 00-0982)		
28 31 23 00-1085 EA Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	84.41	12.90
28 31 23 00-1086 EA Blank Module Dress Plate (Notifier BM-1B).....	70.76	12.90
28 31 23 00-1087 EA Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	79.59	12.90
28 31 23 00-1088 EA Four Position Expansion Chassis (Notifier CHS-4MB).....	172.70	10.74
28 31 23 00-1089 EA Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	180.09	32.24
28 31 23 00-1090 EA Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	87.62	12.90
28 31 23 00-1091 NFS-3030/640 Cabinet Mechanicals (28 31 23 00-0982)		
28 31 23 00-1092 EA Annunciator Dress Plate (Notifier ADP-4B).....	80.40	12.90
28 31 23 00-1093 EA Blank Module Dress Plate (Notifier BMP-1).....	52.30	12.90
28 31 23 00-1094 EA Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	114.84	21.50
28 31 23 00-1095 EA Module Dress Plate (Notifier MP-1B).....	81.20	12.90
28 31 23 00-1096 Battery Cabinets (28 31 23 00-0982)		
28 31 23 00-1097 EA Six Position Chassis (Notifier CHS-6).....	76.94	21.50
28 31 23 00-1098 EA Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	365.01	64.48

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1099			Digital Voice <small>(28 31 23 00-0982)</small>		
28 31 23 00-1100	EA		Chassis Used With BB-XP (Notifier 18439)	37.90	10.74
28 31 23 00-1101	EA		220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	1,483.68	32.24
28 31 23 00-1102	EA		220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	1,442.08	32.24
28 31 23 00-1103	EA		220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E)	695.68	32.24
28 31 23 00-1104	EA		Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	359.14	32.24
28 31 23 00-1105	EA		Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	486.61	42.98
28 31 23 00-1106	EA		Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	606.05	53.74
28 31 23 00-1107	EA		Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	610.98	21.50
28 31 23 00-1108	EA		Single Mode Audio Fiber Link Receiver (Notifier AFL-RS).....	1,347.78	21.50
28 31 23 00-1109	EA		Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	610.98	21.50
28 31 23 00-1110	EA		Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	1,347.78	21.50
28 31 23 00-1111	EA		15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	77.10	10.74
28 31 23 00-1112	EA		Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	123.10	10.74
28 31 23 00-1113	EA		Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	125.10	10.74
28 31 23 00-1114	EA		Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	123.50	10.74
28 31 23 00-1115	EA		Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	125.10	10.74
28 31 23 00-1116	EA		Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	235.10	10.74
28 31 23 00-1117	EA		Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	191.50	10.74
28 31 23 00-1118	EA		Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	52.60	
28 31 23 00-1119	EA		For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	410.98	21.50
28 31 23 00-1120	EA		For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	410.98	21.50
28 31 23 00-1121	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2)	72.70	10.74
28 31 23 00-1122	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	100.79	21.50
28 31 23 00-1123	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	300.53	32.24
28 31 23 00-1124	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	148.58	21.50
28 31 23 00-1125	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	148.58	21.50
28 31 23 00-1126	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	168.70	10.74
28 31 23 00-1127	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1)	193.50	10.74
28 31 23 00-1128	EA		120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,197.52	21.50
28 31 23 00-1129	EA		Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	972.47	21.50
28 31 23 00-1130	EA		Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	972.47	21.50
28 31 23 00-1131	EA		120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	1,236.06	21.50
28 31 23 00-1132	EA		Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	1,056.97	21.50
28 31 23 00-1133	EA		120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	1,283.43	21.50
28 31 23 00-1134	EA		Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,268.22	21.50
28 31 23 00-1135	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,268.22	21.50
28 31 23 00-1136	EA		220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,193.38	21.50
28 31 23 00-1137	EA		220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,231.78	21.50
28 31 23 00-1138	EA		220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,278.98	21.50
28 31 23 00-1139	EA		120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	818.18	21.50
28 31 23 00-1140	EA		220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	818.18	21.50
28 31 23 00-1141	EA		120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	870.18	21.50
28 31 23 00-1142	EA		220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	870.18	21.50
28 31 23 00-1143	EA		120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	903.78	21.50
28 31 23 00-1144	EA		220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	903.78	21.50
28 31 23 00-1145	EA		120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	955.78	21.50
28 31 23 00-1146	EA		220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	955.78	21.50
28 31 23 00-1147	EA		Dress Plate For CFFT-1 (Notifier DP-CFFT).....	83.90	10.74
28 31 23 00-1148	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	76.38	12.90
28 31 23 00-1149	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	87.62	12.90
28 31 23 00-1150	EA		Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	147.84	12.90
28 31 23 00-1151	EA		WPS Power Amplifier (Notifier DPA3204P)	482.98	21.50
28 31 23 00-1152	EA		WPS Power Amplifier (Notifier DPA4001P)	406.98	21.50
28 31 23 00-1153	EA		Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	850.98	21.50
28 31 23 00-1154	EA		120 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP)	642.98	21.50
28 31 23 00-1155	EA		220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE)	642.98	21.50
28 31 23 00-1156	EA		Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,082.98	21.50
28 31 23 00-1157	EA		125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA).....	442.98	21.50
28 31 23 00-1158	EA		Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	226.98	21.50
28 31 23 00-1159	EA		Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	226.98	21.50
28 31 23 00-1160	EA		Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	226.98	21.50
28 31 23 00-1161	EA		Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V).....	98.98	21.50
28 31 23 00-1162	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO)	215.60	21.50
28 31 23 00-1163	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,207.16	21.50
28 31 23 00-1164	EA		Keypad For Digital Voice Command (Notifier DVC-KD).....	362.96	42.98
28 31 23 00-1165	EA		Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	170.20	
28 31 23 00-1166	EA		Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,238.34	42.98
28 31 23 00-1167	EA		Portable Fireman's Telephone Handset (Notifier FHS).....	109.00	
28 31 23 00-1168	EA		Red, Fireman's Telephone Handset (Notifier FHS-F)	109.00	
28 31 23 00-1169	EA		Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	304.58	21.50
28 31 23 00-1170	EA		Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	304.58	21.50
28 31 23 00-1171	EA		Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	50.50	6.44
28 31 23 00-1172	EA		Paging Microphone Only (Notifier MIC-1)	148.16	21.50
28 31 23 00-1173	EA		Firefighter's Telephone Handset (Notifier TELH-1).....	119.80	
28 31 23 00-1174	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	355.30	21.50
28 31 23 00-1175	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	355.30	21.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1176 Amplifiers <small>(28 31 23 00-0982)</small>		
28 31 23 00-1177 EA 30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30)	676.45	21.50
28 31 23 00-1178 EA 100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100)	1,467.29	21.50
28 31 23 00-1179 EA 120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120)	1,425.54	21.50
28 31 23 00-1180 EA Audio Coupling Transformer (Notifier ACT-1)	109.62	21.50
28 31 23 00-1181 EA Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2)	127.28	21.50
28 31 23 00-1182 EA Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	127.28	21.50
28 31 23 00-1183 EA Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	127.28	21.50
28 31 23 00-1184 EA Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	127.28	21.50
28 31 23 00-1185 FireVoice-25/50 Emergency Voice Evacuation Control Panels <small>(28 31 23 00-0982)</small>		
28 31 23 00-1186 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	2,807.40	429.85
28 31 23 00-1187 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	2,042.68	429.85
28 31 23 00-1188 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	2,591.92	429.85
28 31 23 00-1189 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	3,310.17	429.85
28 31 23 00-1190 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	3,639.71	429.85
28 31 23 00-1191 System Printer <small>(28 31 23 00-0982)</small>		
28 31 23 00-1192 EA 80 Column, 120 VAC, Desktop Printer (Notifier PRN-6)	1,457.65	21.50
28 31 23 00-1193 Batteries <small>(28 31 23 00-0982)</small>		
28 31 23 00-1194 EA 5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP)	407.78	21.50
28 31 23 00-1195 EA 7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP)	317.56	21.50
28 31 23 00-1196 EA 12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP)	415.52	21.50
28 31 23 00-1197 EA 18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP)	245.31	21.50
28 31 23 00-1198 EA 26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP)	340.05	21.50
28 31 23 00-1199 EA 55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550)	339.24	21.50
28 31 23 00-1200 EA 100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000)	535.79	21.50
28 31 23 00-1201 Battery Backboxes And Miscellaneous Mechanicals <small>(28 31 23 00-0982)</small>		
28 31 23 00-1202 EA 14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17)	105.58	17.20
28 31 23 00-1203 EA 24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)	161.58	17.20
Note: XP6 modules require a CHS-6.		
28 31 23 00-1204 EA 15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26)	298.80	85.97
28 31 23 00-1205 EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH)	142.77	42.98
28 31 23 00-1206 EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1)	63.90	10.74
28 31 23 00-1207 EA Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25)	177.58	17.20
28 31 23 00-1208 EA Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	138.38	17.20
28 31 23 00-1209 EA Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	152.78	17.20
28 31 23 00-1210 EA Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	165.58	17.20
28 31 23 00-1211 Power Supplies And Chargers <small>(28 31 23 00-0982)</small>		
28 31 23 00-1212 EA 120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610)	1,024.48	32.24
28 31 23 00-1213 EA 220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E)	1,024.48	32.24
28 31 23 00-1214 EA Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,029.72	21.50
28 31 23 00-1215 EA 6A Auxiliary Power Supply (Notifier APS-6R)	527.16	21.50
28 31 23 00-1216 EA 10 Amp Battery Charger (Notifier BC10A)	648.48	32.24
28 31 23 00-1217 EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	382.78	25.80
28 31 23 00-1218 EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	382.78	25.80
28 31 23 00-1219 EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	548.38	25.80
28 31 23 00-1220 EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	548.38	25.80
28 31 23 00-1221 EA 15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	105.38	21.50
28 31 23 00-1222 EA 25 To 120 Amp Hour Battery Charger (Notifier CHG-120)	795.28	21.50
28 31 23 00-1223 EA Mounts XPIQ-PS And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	59.90	10.74
28 31 23 00-1224 EA Replacement Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	93.50	10.74
28 31 23 00-1225 EA 8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8)	529.53	21.50
28 31 23 00-1226 EA 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E)	613.76	64.48
28 31 23 00-1227 EA Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R)	613.76	64.48
28 31 23 00-1228 EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8)	699.36	64.48
28 31 23 00-1229 EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	699.36	64.48
28 31 23 00-1230 EA Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	664.48	32.24
28 31 23 00-1231 EA Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	664.48	32.24
28 31 23 00-1232 EA 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12)	804.48	32.24
28 31 23 00-1233 EA 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	804.48	32.24
28 31 23 00-1234 EA Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	834.88	64.48
28 31 23 00-1235 EA Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	834.88	64.48

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1236	EA		6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	585.76	64.48
28 31 23 00-1237	EA		6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	585.76	64.48
28 31 23 00-1238	EA		8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	631.36	64.48
28 31 23 00-1239	EA		8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	631.36	64.48
28 31 23 00-1240	EA		6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	508.96	64.48
28 31 23 00-1241	EA		9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	598.56	64.48
28 31 23 00-1242	EA		Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	121.50	10.74
28 31 23 00-1243	EA		Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	761.22	21.50
28 31 23 00-1244	EA		Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	142.18	21.50
28 31 23 00-1245			Network Control Annunciators (28 31 23 00-0982)		
28 31 23 00-1246	EA		Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,453.71	64.48
28 31 23 00-1247	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	58.72	12.90
28 31 23 00-1248	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	43.46	12.90
28 31 23 00-1249			FIRSTVISION Firefighter's Display (28 31 23 00-0982)		
28 31 23 00-1250	EA		Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	11,353.95	429.85
28 31 23 00-1251			FlashScan Addressable Modules (28 31 23 00-0982)		
28 31 23 00-1252	EA		Intelligent Addressable Control Module (Notifier FCM-1).....	130.49	21.50
28 31 23 00-1253	EA		Addressable Dual Monitor Module (Notifier FDM-1).....	144.95	21.50
28 31 23 00-1254	EA		Intelligent Addressable Monitor Module (Notifier FMM-1).....	109.62	21.50
28 31 23 00-1255	EA		Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	98.38	21.50
28 31 23 00-1256	EA		Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	195.53	21.50
28 31 23 00-1257	EA		Intelligent Addressable Relay Module (Notifier FRM-1).....	125.68	21.50
28 31 23 00-1258	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	162.61	21.50
28 31 23 00-1259	EA		SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	108.01	21.50
28 31 23 00-1260			Addressable Device Bases And Accessories (28 31 23 00-0982)		
28 31 23 00-1261	EA		Intelligent Detector Base With Flange (Notifier B710LP).....	37.55	10.74
28 31 23 00-1262	EA		Weatherproof Device Housing (Notifier DH400E-1).....	324.79	21.50
28 31 23 00-1263			XP6/XP10 Transponder (28 31 23 00-0982)		
28 31 23 00-1264	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	97.98	21.50
28 31 23 00-1265	EA		Six Circuit Supervised Control Module (Notifier XP6-C).....	463.69	21.50
28 31 23 00-1266	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	560.03	21.50
28 31 23 00-1267	EA		Six Relay Control Module (Notifier XP6-R).....	446.03	21.50
28 31 23 00-1268	EA		Ten Input Monitor Module (Notifier XP10-M).....	535.95	21.50
28 31 23 00-1269			LCD Display Annunciators (28 31 23 00-0982)		
28 31 23 00-1270	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	606.67	64.48
28 31 23 00-1271	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	843.52	64.48
28 31 23 00-1272	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	872.43	64.48
28 31 23 00-1273	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	566.18	21.50
28 31 23 00-1274	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	302.98	21.50
28 31 23 00-1275	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	734.18	21.50
28 31 23 00-1276			ONYX ACM And AEM Series LED Annunciators (28 31 23 00-0982)		
28 31 23 00-1277	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	334.18	21.50
28 31 23 00-1278	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	612.22	21.50
28 31 23 00-1279	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	470.11	21.50
28 31 23 00-1280	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	612.22	21.50
28 31 23 00-1281	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	470.11	21.50
28 31 23 00-1282	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	470.11	21.50
28 31 23 00-1283	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	421.94	21.50
28 31 23 00-1284	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	470.11	21.50
28 31 23 00-1285	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	421.94	21.50
28 31 23 00-1286			Graphic Annunciator - Lamp Driver Modules (28 31 23 00-0982)		
28 31 23 00-1287	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	203.19	42.98
28 31 23 00-1288	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	220.05	42.98
28 31 23 00-1289	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B).....	254.39	53.74
28 31 23 00-1290	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	276.06	53.74
28 31 23 00-1291	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	441.08	75.22
28 31 23 00-1292	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	78.39	12.90
28 31 23 00-1293	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B).....	134.54	42.98
28 31 23 00-1294	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB).....	108.70	10.74
28 31 23 00-1295	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	165.46	42.98
28 31 23 00-1296	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	287.31	53.74
28 31 23 00-1297	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	200.70	10.74



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1298	EA			Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	462.76	75.22
28 31 23 00-1299	EA			Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR).....	337.00	12.90
28 31 23 00-1300	EA			Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB).....	132.78	17.20
28 31 23 00-1301	EA			Annunciator Key Switch (Notifier AKS-1B).....	64.90	6.44
28 31 23 00-1302	EA			Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	77.10	21.50
28 31 23 00-1303	EA			32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	421.94	21.50
28 31 23 00-1304	EA			24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	123.00	4.30
28 31 23 00-1305	EA			48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	153.40	4.30
28 31 23 00-1306	EA			32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	348.88	21.50
28 31 23 00-1307	EA			Lamp Driver Module (Notifier LDM-R32).....	602.18	21.50
28 31 23 00-1308	EA			Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	558.98	21.50
28 31 23 00-1309	EA			48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	155.80	4.30
28 31 23 00-1310	EA			Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	129.80	12.90
28 31 23 00-1311	EA			Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	81.00	12.90
28 31 23 00-1312	EA			Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	81.00	12.90
28 31 23 00-1313	Network Gateways (28 31 23 00-0982)					
28 31 23 00-1314	EA			Common Alerting Protocol Gateway (Notifier CAP-GW).....	2,242.98	21.50
28 31 23 00-1315	EA			PC Version, Receivers Gateway (Notifier DACR-GW).....	1,754.98	21.50
28 31 23 00-1316	EA			Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	1,674.98	21.50
28 31 23 00-1317	EA			Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	1,874.98	21.50
28 31 23 00-1318	EA			Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	2,082.98	21.50
28 31 23 00-1319	EA			Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	1,594.98	21.50
28 31 23 00-1320	EA			Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF).....	1,634.98	21.50
28 31 23 00-1321	EA			Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	1,838.98	21.50
28 31 23 00-1322	EA			Modbus Gateway (Notifier MODBUS-GW).....	1,754.98	21.50
28 31 23 00-1323	EA			22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW).....	2,136.74	14.18
28 31 23 00-1324	EA			Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS).....	3,183.94	14.18
28 31 23 00-1325	EA			1920x1080P Wide Screen (Notifier MON-42LCDW).....	10,096.74	14.18
28 31 23 00-1326	EA			Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	416.48	32.24
28 31 23 00-1327	EA			Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	756.48	32.24
28 31 23 00-1328	EA			Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD).....	1,100.48	32.24
28 31 23 00-1329	EA			Mass Notification Voice Paging (Notifier NOTIFY-IP).....	840.00	
28 31 23 00-1330	EA			Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL).....	840.00	
28 31 23 00-1331	EA			Embedded NFN Gateway (Notifier NFN-GW-EM).....	1,761.14	21.50
28 31 23 00-1332	EA			NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	1,761.14	21.50
28 31 23 00-1333	EA			High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	2,554.98	21.50
28 31 23 00-1334	EA			High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	2,978.98	21.50
28 31 23 00-1335	EA			High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	2,554.98	21.50
28 31 23 00-1336	EA			NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	1,761.14	21.50
28 31 23 00-1337	EA			E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY).....	840.00	
28 31 23 00-1338	EA			Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	840.00	
28 31 23 00-1339	EA			ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	16,063.26	515.81
28 31 23 00-1340	EA			Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	3,371.94	
				Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 31 23 00-1341	EA			Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	3,371.94	
				Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 31 23 00-1342	EA			Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	780.58	21.50
28 31 23 00-1343	EA			Wire, Standard Network Repeater Board (Notifier RPT-W).....	634.18	21.50
28 31 23 00-1344	EA			Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	759.78	21.50
28 31 23 00-1345	EA			Signaling Line Circuit Integration Module (Notifier SLC-IM).....	838.98	21.50
28 31 23 00-1346	EA			VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	1,754.98	21.50
28 31 23 00-1347	EA			Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VH-1420-HFS).....	1,450.98	21.50
28 31 23 00-1348	EA			Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	1,600.00	
28 31 23 00-1349	NOTI-FIRE-NET Network Components (28 31 23 00-0982)					
28 31 23 00-1350	EA			Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	1,761.14	21.50
28 31 23 00-1351	EA			Fiber Optic Network Communications Module (Notifier NCM-F).....	787.25	21.50
28 31 23 00-1352	EA			NOTI-FIRE-NET Web Server (Notifier NWS).....	1,761.14	21.50
28 31 23 00-1353	EA			Wired Network Communications Module (Notifier NCM-W).....	750.32	21.50
28 31 23 00-1354	EA			Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	73.89	10.74
28 31 23 00-1355	FireWarden Addressable Fire Panels (28 31 23 00-0982)					
28 31 23 00-1356	EA			50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	1,626.44	429.85
28 31 23 00-1357	EA			Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	1,911.46	429.85
28 31 23 00-1358	EA			Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	1,907.69	214.92
28 31 23 00-1359	EA			Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	1,907.69	214.92

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1360 EA Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	1,907.69	214.92
28 31 23 00-1361 FireWarden Accessories (28 31 23 00-0982)		
28 31 23 00-1362 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	143.68	32.24
28 31 23 00-1363 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	142.88	32.24
28 31 23 00-1364 FireWarden Devices (28 31 23 00-0982)		
28 31 23 00-1365 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	107.21	21.50
28 31 23 00-1366 EA Intelligent Addressable Control Module (Notifier NC-100).....	126.48	21.50
28 31 23 00-1367 EA Intelligent Addressable Relay Module (Notifier NC-100R).....	121.66	21.50
28 31 23 00-1368 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	257.98	32.24
28 31 23 00-1369 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	308.68	32.24
28 31 23 00-1370 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	121.66	21.50
28 31 23 00-1371 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	127.10	32.24
28 31 23 00-1372 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	127.10	32.24
28 31 23 00-1373 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	127.10	32.24
28 31 23 00-1374 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	168.85	32.24
28 31 23 00-1375 EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	105.60	21.50
28 31 23 00-1376 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	96.37	21.50
28 31 23 00-1377 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	141.33	21.50
28 31 23 00-1378 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	132.72	32.24
28 31 23 00-1379 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	157.79	21.50
28 31 23 00-1380 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	547.19	21.50
28 31 23 00-1381 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 31 23 00-0982)		
28 31 23 00-1382 EA 120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,089.19	343.88
28 31 23 00-1383 EA 120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,192.76	343.88
28 31 23 00-1384 EA 240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E).....	829.85	107.46
28 31 23 00-1385 EA 240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E).....	933.05	107.46
28 31 23 00-1386 EA Class A Converter Module (Notifier CAC-4).....	274.18	21.50
28 31 23 00-1387 EA Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B).....	93.00	12.90
28 31 23 00-1388 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	94.60	12.90
28 31 23 00-1389 EA Remote Zone Annunciator (Notifier RZA-4X).....	139.68	32.24
28 31 23 00-1390 SFP-5UD 5 Zone Control Panels And Accessories (28 31 23 00-0982)		
28 31 23 00-1391 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,658.56	429.85
28 31 23 00-1392 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	2,505.54	322.39
28 31 23 00-1393 EA 240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	1,655.69	214.92
28 31 23 00-1394 EA Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	1,655.69	214.92
28 31 23 00-1395 EA Class A Converter Module (Notifier N-CAC-5X).....	274.18	21.50
28 31 23 00-1396 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	109.80	12.90
28 31 23 00-1397 SFP-10UD 10 Zone Control Panels And Accessories (28 31 23 00-0982)		
28 31 23 00-1398 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	3,091.39	429.85
28 31 23 00-1399 EA 240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	2,312.74	322.39
28 31 23 00-1400 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	1,883.36	429.85
28 31 23 00-1401 EA Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	2,742.59	429.85
28 31 23 00-1402 EA Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	472.59	64.48
28 31 23 00-1403 Smoke Detectors (28 31 23 00-0982)		
28 31 23 00-1404 EA Intelligent Addressable Beam Smoke Detector (Notifier FSB-200).....	1,165.97	42.98
28 31 23 00-1405 EA Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S).....	1,325.97	42.98
28 31 23 00-1406 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	180.09	32.24
28 31 23 00-1407 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	297.32	32.24
28 31 23 00-1408 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	740.47	32.24
28 31 23 00-1409 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	147.18	32.24
28 31 23 00-1410 EA Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	149.28	32.24
28 31 23 00-1411 EA Intelligent Addressable Thermal Detector (Notifier FST-851).....	123.09	32.24
28 31 23 00-1412 EA Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H).....	123.09	32.24
28 31 23 00-1413 EA Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	123.09	32.24
28 31 23 00-1414 EA Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	134.88	32.24
Note: For use with DNR(W) duct detector housing.		
28 31 23 00-1415 EA Filters For Harsh Detector (Notifier RF-FTX).....	16.33	
28 31 23 00-1416 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	109.42	21.50
28 31 23 00-1417 Pull Stations (28 31 23 00-0982)		
28 31 23 00-1418 EA Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	23.00	4.30
28 31 23 00-1419 EA One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	50.30	10.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1420 EA Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R)	50.30	10.74
28 31 23 00-1421 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	70.58	21.50
28 31 23 00-1422 EA DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	76.58	21.50
28 31 23 00-1423 EA Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	100.18	21.50
28 31 23 00-1424 EA Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	70.58	21.50
28 31 23 00-1425 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	79.38	21.50
28 31 23 00-1426 EA Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	79.38	21.50
28 31 23 00-1427 EA Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	79.38	21.50
28 31 23 00-1428 EA Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	75.78	21.50
28 31 23 00-1429 EA Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	80.98	21.50
28 31 23 00-1430 EA Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	551.58	25.80
28 31 23 00-1431 EA Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	76.10	21.50
28 31 23 00-1432 EA Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	168.00	25.80
28 31 23 00-1433 EA Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	100.58	21.50
28 31 23 00-1434 EA Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LRL)	88.98	21.50
28 31 23 00-1435 EA Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	142.14	21.50
28 31 23 00-1436 EA Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	35.00	4.30
28 31 23 00-1437 Rate Compensation Heat Detectors (28 31 23 00-0982)		
28 31 23 00-1438 EA 135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	135.13	32.24
28 31 23 00-1439 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	135.13	32.24
28 31 23 00-1440 FM Series Door Releases (28 31 23 00-0982)		
28 31 23 00-1441 EA 1/2" Door Holder Spacer (Notifier FM900-50)	22.53	6.44
28 31 23 00-1442 EA 3/4" Door Holder Spacer (Notifier FM900-75)	22.53	6.44
28 31 23 00-1443 EA 1" Door Holder Spacer (Notifier FM900-100)	22.53	6.44
28 31 23 00-1444 EA Door Holder Extension Kit (Notifier FM900)	23.74	6.44
28 31 23 00-1445 EA 90 Degree Door Holder Extension Kit (Notifier FM900-Z)	24.14	6.44
28 31 23 00-1446 EA Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980)	161.63	32.24
28 31 23 00-1447 EA Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996)	141.56	32.24
28 31 23 00-1448 EA Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998)	141.56	32.24
28 31 23 00-1449 Multicriteria Fire Detector (28 31 23 00-0982)		
28 31 23 00-1450 EA Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	240.48	32.24
28 31 23 00-1451 EA Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)	222.88	32.24
Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
28 31 23 00-1452 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T)	147.68	32.24
28 31 23 00-1453 Modules (28 31 23 00-0982)		
28 31 23 00-1454 EA Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	269.38	21.50
28 31 23 00-1455 EA Addressable Firephone Control Module (Notifier FTM-1)	161.38	21.50
28 31 23 00-1456 DH Series Door Releases (28 31 23 00-0982)		
28 31 23 00-1457 EA Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	139.68	32.24
28 31 23 00-1458 EA Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	148.00	32.24
28 31 23 00-1459 EA Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	156.48	32.24
28 31 23 00-1460 EA Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	154.08	32.24
28 31 23 00-1461 EA Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	161.28	32.24
28 31 23 00-1462 EA Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	166.88	32.24
28 31 23 00-1463 EA Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	139.68	32.24
28 31 23 00-1464 EA Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	147.68	32.24
28 31 23 00-1465 EA Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	156.48	32.24
28 31 23 00-1466 EA Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	175.68	32.24
28 31 23 00-1467 EA Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	186.88	32.24
28 31 23 00-1468 EA Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	199.68	32.24
28 31 23 00-1469 EA Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	202.88	32.24
28 31 23 00-1470 EA Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	215.68	32.24
28 31 23 00-1471 EA Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	231.68	32.24
28 31 23 00-1472 EA .5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	16.28	4.30
28 31 23 00-1473 EA .5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	16.28	4.30
28 31 23 00-1474 EA .5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	17.56	4.30
28 31 23 00-1475 EA 1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	16.28	4.30
28 31 23 00-1476 EA 1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	16.28	4.30
28 31 23 00-1477 EA 1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	17.56	4.30
28 31 23 00-1478 EA 1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	17.24	4.30
28 31 23 00-1479 EA 1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	17.24	4.30
28 31 23 00-1480 EA 1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	17.56	4.30
28 31 23 00-1481 EA 1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	18.52	4.30
28 31 23 00-1482 EA 2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	18.52	4.30

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28 31 23 00-1483	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	18.52	4.30
28 31 23 00-1484	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	19.00	4.30
28 31 23 00-1485	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	19.32	4.30
28 31 23 00-1486	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	19.32	4.30
28 31 23 00-1487	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	20.28	4.30
28 31 23 00-1488	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	20.28	4.30
28 31 23 00-1489	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	20.60	4.30
28 31 23 00-1490	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	20.60	4.30
28 31 23 00-1491	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	21.40	4.30
28 31 23 00-1492	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	23.80	4.30
28 31 23 00-1493	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	21.40	4.30
28 31 23 00-1494	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	22.36	4.30
28 31 23 00-1495	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	23.80	4.30
28 31 23 00-1496	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	22.98	6.44
28 31 23 00-1497	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	23.62	6.44
28 31 23 00-1498	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	25.70	6.44
28 31 23 00-1499	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	40.58	6.44
28 31 23 00-1500	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	43.14	6.44
28 31 23 00-1501	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	45.70	6.44
28 31 23 00-1502	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC).....	38.78	10.74
28 31 23 00-1503	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB).....	40.70	10.74
28 31 23 00-1504	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	43.42	10.74
28 31 23 00-1505	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	216.00	
28 31 23 00-1506	EA		Two Piece Extension Wrench (Notifier DHW).....	2.40	
28 31 23 00-1507			First Command (28 31 23 00-0982)		
28 31 23 00-1508	EA		Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	4,398.04	537.31
28 31 23 00-1509	EA		Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	4,398.04	537.31
28 31 23 00-1510	EA		Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,168.74	42.98
28 31 23 00-1511	EA		Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,168.74	42.98
28 31 23 00-1512	EA		Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,122.34	42.98
28 31 23 00-1513	EA		Black, 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,122.34	42.98
28 31 23 00-1514	EA		50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	462.98	21.50
28 31 23 00-1515	EA		50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	462.98	21.50
28 31 23 00-1516	EA		Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	315.78	21.50
28 31 23 00-1517	EA		Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	442.98	21.50
28 31 23 00-1518	EA		Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,575.94	42.98
			Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 31 23 00-1519	EA		Local Operator Console (Notifier NFC-LOC).....	1,524.74	42.98
			Note: Includes built-in microphone, message and zone control switches, black.		
28 31 23 00-1520	EA		Black, Remote Microphone (Notifier NFC-RM).....	435.80	
28 31 23 00-1521	EA		Remote Page Unit (Notifier NFC-RPU).....	1,291.94	42.98
			Note: Includes built-in microphone, message control switches, black.		
28 31 23 00-1522	EA		Remote Telephone Zone Module (Notifier NFC-RTZM).....	583.78	21.50
28 31 23 00-1523	EA		70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	240.58	21.50
28 31 23 00-1524	EA		Firefighters Phone Jack (Notifier N-FPJ).....	110.50	6.44
28 31 23 00-1525	EA		Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBATCH).....	32.10	6.44
28 31 23 00-1526	EA		Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	97.00	12.90
28 31 23 00-1527			LED Displays (28 31 23 00-0982)		
28 31 23 00-1528	EA		2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,051.58	25.80
28 31 23 00-1529	EA		Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	1,780.78	34.38
28 31 23 00-1530	EA		4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	1,828.78	34.38
28 31 23 00-1531	EA		8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,228.78	34.38
28 31 23 00-1532	EA		16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	1,868.78	34.38
28 31 23 00-1533	EA		LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	1,828.78	34.38
28 31 23 00-1534			Control Relays (28 31 23 00-0982)		
28 31 23 00-1535	EA		Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	48.70	10.74
28 31 23 00-1536	EA		Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	39.10	10.74
28 31 23 00-1537	EA		Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	126.18	21.50
28 31 23 00-1538	EA		Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	77.50	10.74
28 31 23 00-1539	EA		Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	91.90	10.74
28 31 23 00-1540	EA		24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	113.38	21.50
28 31 23 00-1541	EA		120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	113.38	21.50
28 31 23 00-1542	EA		Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	73.38	21.50
28 31 23 00-1543	EA		Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	41.90	10.74
28 31 23 00-1544	EA		Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	142.98	21.50
28 31 23 00-1545	EA		24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	55.78	21.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1546 EA 12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	55.78	21.50
28 31 23 00-1547 EA 9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	55.78	21.50
28 31 23 00-1548 Gamewell-FCI Fire Control Instruments (28 31 23 00-0982)		
28 31 23 00-1549 7100 Series And NetSOLO® (28 31 23 00-1549)		
28 31 23 00-1550 7100 Compact Analog Addressable Fire Alarm Control Panels (28 31 23 00-1549)		
28 31 23 00-1551 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	716.26	257.91
28 31 23 00-1552 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	2,948.38	429.85
28 31 23 00-1553 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,181.70	429.85
28 31 23 00-1554 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E)	2,948.38	429.85
28 31 23 00-1555 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E).....	3,181.70	429.85
28 31 23 00-1556 EA Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	804.80	42.98
28 31 23 00-1557 EA Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	960.89	42.98
28 31 23 00-1558 EA Analog Loop Unit (Gamewell-FCI ALU)	960.89	42.98
28 31 23 00-1559 NetSOLO® Intelligent Network (28 31 23 00-1549)		
28 31 23 00-1560 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	1,063.58	42.98
Note: Mounted in 7100 panel.		
28 31 23 00-1561 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)	849.16	42.98
Note: Mounted in 7100 panel.		
28 31 23 00-1562 Components And Accessories (28 31 23 00-1549)		
28 31 23 00-1563 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	529.46	32.24
28 31 23 00-1564 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	411.29	42.98
28 31 23 00-1565 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	737.44	42.98
28 31 23 00-1566 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	309.42	42.98
28 31 23 00-1567 EA Replacement Enclosure Box (Gamewell-FCI EN-7100)	276.27	85.97
28 31 23 00-1568 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	759.35	21.50
28 31 23 00-1569 E3 Series® Basic System (28 31 23 00-1548)		
28 31 23 00-1570 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	730.91	42.98
28 31 23 00-1571 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	634.29	42.98
28 31 23 00-1572 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	730.91	42.98
28 31 23 00-1573 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	634.29	42.98
28 31 23 00-1574 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	459.06	42.98
28 31 23 00-1575 EA Power Supply Module (Gamewell-FCI PM-9)	595.20	42.98
28 31 23 00-1576 EA Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	504.03	42.98
28 31 23 00-1577 EA Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A)	488.55	21.50
28 31 23 00-1578 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	295.33	42.98
28 31 23 00-1579 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	757.01	42.98
28 31 23 00-1580 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	637.56	42.98
28 31 23 00-1581 EA Local Operating Console (Gamewell-FCI 1100-0455)	427.55	32.24
28 31 23 00-1582 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,344.16	32.24
28 31 23 00-1583 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	547.78	42.98
28 31 23 00-1584 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,627.65	42.98
28 31 23 00-1585 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	412.17	85.97
28 31 23 00-1586 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	314.21	85.97
28 31 23 00-1587 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	70.19	21.50
28 31 23 00-1588 EA Programmable Switch Module (Gamewell-FCI ASM-16)	389.95	42.98
28 31 23 00-1589 EA LED Driver module (Gamewell-FCI ANU-48).....	389.95	42.98
28 31 23 00-1590 EA Network Graphic Annunciator (Gamewell-FCI NGA)	1,128.74	32.24
28 31 23 00-1591 Addressable Devices, Module, Pulls And Accessories (28 31 23 00-1548)		
28 31 23 00-1592 Velociti® Series Sensors And Bases (28 31 23 00-1591)		
28 31 23 00-1593 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	131.84	32.24
28 31 23 00-1594 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	134.31	32.24
28 31 23 00-1595 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	141.70	32.24
28 31 23 00-1596 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	112.13	32.24
28 31 23 00-1597 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	116.24	32.24
28 31 23 00-1598 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	112.13	32.24
28 31 23 00-1599 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	158.95	32.24
28 31 23 00-1600 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	331.47	32.24
28 31 23 00-1601 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	292.30	53.74
28 31 23 00-1602 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	325.16	53.74
28 31 23 00-1603 EA Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	170.72	53.74
28 31 23 00-1604 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	34.64	10.74
28 31 23 00-1605 EA Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	356.12	32.24
28 31 23 00-1606 EA Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	72.84	10.74
28 31 23 00-1607 EA Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,238.01	64.48

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-1608		Velociti® Series Modules And Pull Station (28 31 23 00-1591)		
	28 31	23 00-1609	EA Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F).....	95.15	21.50
	28 31	23 00-1610	EA Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	147.31	21.50
	28 31	23 00-1611	EA Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	103.36	21.50
	28 31	23 00-1612	EA Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF).....	141.56	21.50
	28 31	23 00-1613	EA Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	119.79	21.50
	28 31	23 00-1614	EA Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	123.90	21.50
	28 31	23 00-1615	EA Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF).....	179.21	42.98
	28 31	23 00-1616	EA Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF).....	127.60	21.50
	28 31	23 00-1617	EA Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	20.92	4.30
28 31	23 00-1618		Components And Accessories (28 31 23 00-1591)		
	28 31	23 00-1619	EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	54.92	17.20
			Note: Mounts on single gang box.		
	28 31	23 00-1620	EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	27.47	8.60
	28 31	23 00-1621	EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	29.11	8.60
	28 31	23 00-1622	EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	35.06	10.74
	28 31	23 00-1623	EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	54.55	12.90
	28 31	23 00-1624	EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	80.39	17.20
			Note: Mounts on single gang box.		
28 31	23 00-1625		Fixed And Rate of Rise Heat Detectors (28 31 23 00-1591)		
	28 31	23 00-1626	EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P).....	78.45	32.24
	28 31	23 00-1627	EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	78.45	32.24
	28 31	23 00-1628	EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	78.45	32.24
	28 31	23 00-1629	EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	78.45	32.24
28 31	23 00-1630		NAC Expander/Power Supply (28 31 23 00-1591)		
	28 31	23 00-1631	EA FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,279.24	343.88
	28 31	23 00-1632	EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,123.16	343.88
	28 31	23 00-1633	EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,201.20	343.88
28 31	23 00-1634		Batteries And Accessories (28 31 23 00-1548)		
	28 31	23 00-1635	EA B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A).....	184.28	21.50
	28 31	23 00-1636	EA B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A).....	452.10	21.50
	28 31	23 00-1637	EA B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A).....	102.13	21.50
	28 31	23 00-1638	EA BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	234.67	42.98
	28 31	23 00-1639	EA BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	234.67	42.98
	28 31	23 00-1640	EA 12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	210.84	42.98
28 31	23 00-1641		Electronic Door Holders (28 31 23 00-1548)		
			Note: Rixson products.		
	28 31	23 00-1642	EA XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	32.75	4.30
	28 31	23 00-1643	EA FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	261.64	32.24
	28 31	23 00-1644	EA FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001).....	351.19	32.24
	28 31	23 00-1645	EA FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002).....	172.43	32.24
	28 31	23 00-1646	EA FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003).....	165.03	32.24
	28 31	23 00-1647	EA FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004).....	172.43	32.24
	28 31	23 00-1648	EA FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005).....	172.10	32.24
28 31	23 00-1649		SpectraAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 31 23 00-1548)		
			See CSI section 28 31 23 00-1813 for devices.		
28 31	23 00-1650		SpectraAlert® Advance Accessories (28 31 23 00-1548)		
			See CSI section 28 31 23 00-1813 for backboxes, 28 31 23 00-2070 for backboxes.		
28 31	23 00-1651		Fire Alarm Programming (28 31 23 00-1548)		
			Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
	28 31	23 00-1652	EA Program And Test Up To 5 Fire Alarm Devices.....	500.00	
	28 31	23 00-1653	EA Program And Test >5 To 20 Fire Alarm Devices.....	1,000.00	
	28 31	23 00-1654	EA Program And Test >20 To 50 Fire Alarm Devices.....	2,000.00	
28 31	23 00-1655		Fire-Lite Fire Alarm (28 31 23 00-0981)		
28 31	23 00-1656		Addressable Control Panels (28 31 23 00-1655)		
	28 31	23 00-1657	EA 25 Point Intelligent Control (Fire Lite MS-25).....	1,332.55	429.85
	28 31	23 00-1658	EA 50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,447.60	429.85
	28 31	23 00-1659	EA 198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	2,054.78	429.85
	28 31	23 00-1660	EA 636-Point Intelligent Control (Fire Lite MS-9600LS).....	2,989.16	429.85
	28 31	23 00-1661	EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	2,879.38	429.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1662				Silent Knight Fire Alarm <small>(28 31 23 00-0981)</small>		
28 31 23 00-1663	EA			Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,003.77	214.92
28 31 23 00-1664	EA			Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,259.14	128.96
28 31 23 00-1665	EA			50 Watt Amplifier (Silent Knight EVS-50W)	881.54	85.97
28 31 23 00-1666	EA			125 Watt Amplifier (Silent Knight EVS-125W)	1,548.63	85.97
28 31 23 00-1667	EA			Voice Evacuation System (Silent Knight SKE-450)	1,482.51	85.97
28 31 23 00-1668	EA			Fire Fighters Telephone (Silent Knight SK-FFT)	1,234.56	85.97
28 31 23 00-1669	EA			Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,276.85	128.96
28 31 23 00-1670	EA			Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	946.47	85.97
28 31 23 00-1671	EA			Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	729.88	85.97
28 31 23 00-1672	EA			Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	633.10	85.97
28 31 23 00-1673	EA			Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	203.52	32.24
28 31 23 00-1674	EA			Photoelectric Detector (Silent Knight SK-PHOT)	120.45	32.24
28 31 23 00-1675	EA			Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	126.23	32.24
28 31 23 00-1676	EA			Ionization Smoke Detector (Silent Knight SK-ION)	126.88	32.24
28 31 23 00-1677	EA			135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	111.94	32.24
28 31 23 00-1678	EA			190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	117.22	32.24
28 31 23 00-1679	EA			135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	119.17	32.24
28 31 23 00-1680	EA			Sounder Base (Silent Knight B200SR)	69.09	10.74
28 31 23 00-1681	EA			Intelligent Sounder Base (Silent Knight B200S)	72.95	10.74
28 31 23 00-1682	EA			Isolator Base (Silent Knight B224BI)	58.17	10.74
28 31 23 00-1683	EA			Relay Base (Silent Knight B224RB)	58.80	10.74
28 31 23 00-1684	EA			Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	128.90	32.24
28 31 23 00-1685	EA			Photoelectric Duct Detector (Silent Knight SK-DUCT)	201.10	32.24
28 31 23 00-1686	EA			Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	683.16	32.24
28 31 23 00-1687	EA			Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T)	778.79	32.24
28 31 23 00-1688	EA			Dual Monitor Module (Silent Knight SK-MONITOR-2)	151.20	32.24
28 31 23 00-1689	EA			Supervised Control Module (Silent Knight SK-CONTROL)	127.66	32.24
28 31 23 00-1690	EA			Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	408.55	42.98
28 31 23 00-1691	EA			Relay Control Module (Silent Knight SK-RELAY)	107.40	21.50
28 31 23 00-1692	EA			Six Relay Control Module (Silent Knight SK-RELAY-6)	395.40	42.98
28 31 23 00-1693	EA			Zone Interface Module (Silent Knight SK-ZONE)	130.14	32.24
28 31 23 00-1694	EA			Six Zone Interface Module (Silent Knight SK-ZONE-6)	470.67	42.98
28 31 23 00-1695	EA			Monitor Module (Silent Knight SK-MONITOR)	113.37	32.24
28 31 23 00-1696	EA			10 Input Monitor Module (Silent Knight SK-MON-10)	456.34	42.98
28 31 23 00-1697	EA			Monitor Module (Silent Knight SK-MINIMON)	106.30	32.24
28 31 23 00-1698	EA			Fault Isolator Module (Silent Knight SK-ISO)	117.22	32.24
28 31 23 00-1699	EA			Addressable Heat Sensor (Silent Knight SD505-AHS)	115.30	32.24
28 31 23 00-1700	EA			Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	124.42	32.24
28 31 23 00-1701	EA			Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	117.22	32.24
28 31 23 00-1702	EA			6" Addressable Sounder Base (Silent Knight SD505-6SB)	83.90	10.74
28 31 23 00-1703	EA			6" Addressable Relay Base (Silent Knight SD505-6RB)	79.39	10.74
28 31 23 00-1704	EA			6" Isolator Base (Silent Knight SD505-6IB)	72.32	10.74
28 31 23 00-1705	EA			Addressable Input Module (Silent Knight SD500-AIM)	116.59	32.24
28 31 23 00-1706	EA			Addressable Notification Module (Silent Knight SD500-ANM)	141.29	32.24
28 31 23 00-1707	EA			Addressable Relay Module (Silent Knight SD500-ARM)	127.66	32.24
28 31 23 00-1708	EA			SLC Annunciator Driver Module (Silent Knight SD500-LED)	476.63	64.48
28 31 23 00-1709	EA			Loop Isolation Module (Silent Knight SD500-LIM)	121.08	32.24
28 31 23 00-1710	EA			Addressable Mini Input Module (Silent Knight SD500-MIM)	93.80	21.50
28 31 23 00-1711	EA			Single Action Addressable Pull Station (Silent Knight SD500-PS)	118.55	21.50
28 31 23 00-1712	EA			Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	113.59	21.50
28 31 23 00-1713	EA			Back Box (Silent Knight SK-PSSMBB)	55.12	17.20
28 31 23 00-1714	EA			Smoke Detector Module (Silent Knight SD500-SDM)	133.85	32.24
28 31 23 00-1715	EA			Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	33.26	10.74
28 31 23 00-1716	EA			Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	33.26	10.74
28 31 23 00-1717	EA			Addressable Duct Housing (Silent Knight SD505-DUCT)	209.57	32.24
28 31 23 00-1718	EA			Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	268.81	32.24
28 31 23 00-1719	EA			Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	119.80	32.24
28 31 23 00-1720	EA			Intelligent Power Module (Silent Knight 5895XL)	684.48	85.97
28 31 23 00-1721	EA			Addressable Power Supply (Silent Knight 5496)	479.02	64.48
28 31 23 00-1722	EA			Relay Interface Board (Silent Knight 5883)	182.02	21.50
28 31 23 00-1723	EA			Remote LED Annunciator (Silent Knight 5865-3)	373.89	42.98
28 31 23 00-1724	EA			Remote LED Annunciator (Silent Knight 5865-4)	421.46	42.98
28 31 23 00-1725	EA			Remote LCD Annunciator (Silent Knight SK-5860)	408.52	64.48
28 31 23 00-1726	EA			Serial/Parallel Printer Interface (Silent Knight 5824)	256.99	21.50
28 31 23 00-1727	EA			LED Input/Output Module (Silent Knight / IntelliKnight 5880)	304.61	32.24
28 31 23 00-1728	EA			Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	113.59	21.50
28 31 23 00-1729	EA			Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	391.79	64.48
28 31 23 00-1730	EA			Communicator (Silent Knight IPGSM-4G)	559.17	42.98
28 31 23 00-1731	EA			Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	890.98	85.97
28 31 23 00-1732	EA			10 Zone Expander (Silent Knight SK-5217)	248.53	21.50
28 31 23 00-1733	EA			Remote Annunciator (Silent Knight SK-5235)	257.66	42.98
28 31 23 00-1734	EA			Status Display Module (Silent Knight 5280)	78.37	21.50
28 31 23 00-1735	EA			Serial/Parallel Module (Silent Knight 5824)	299.98	42.98
28 31 23 00-1736	EA			Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	522.00	85.97
28 31 23 00-1737	EA			Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	531.55	85.97
28 31 23 00-1738	EA			Dress Panel (Silent Knight SK-DP2/4)	100.87	21.50
28 31 23 00-1739	EA			Class A Converter (Silent Knight SK-CAC4)	253.10	32.24

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1740	EA		Transmitter Module (Silent Knight SK-4XTM).....	140.05	32.24
28 31 23 00-1741	EA		LED Interface Module (Silent Knight SK-4XLM).....	130.14	32.24
28 31 23 00-1742	EA		110 VAC Transformer, 3-6A (Silent Knight SK-XRM24).....	128.46	21.50
28 31 23 00-1743	EA		Remote Annunciator (Silent Knight SK-RZA4).....	130.14	32.24
28 31 23 00-1744	EA		Zone Relay Module (Silent Knight SK-4XZM).....	138.81	32.24
28 31 23 00-1745	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	456.28	85.97
28 31 23 00-1746	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	113.59	21.50
28 31 23 00-1747	EA		Manual Pull Station (single action) (Silent Knight PS-SATK).....	66.97	21.50
28 31 23 00-1748	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK).....	71.75	21.50
28 31 23 00-1749	EA		Manual Pull Station (dual action) (Silent Knight PS-DA).....	70.41	21.50
28 31 23 00-1750	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	63.84	21.50
28 31 23 00-1751	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	133.34	25.80
28 31 23 00-1752	EA		6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	451.54	64.48
28 31 23 00-1753	EA		9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	504.11	64.48
28 31 23 00-1754			Alerton <small>(28 31 23)</small>		
28 31 23 00-1755	EA		UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	388.90	6.44
28 31 23 00-1756			Cooper Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-1757	EA		Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R).....	138.98	21.50
28 31 23 00-1758	EA		Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	2,275.48	36.54
28 31 23 00-1759	EA		Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	2,995.48	36.54
28 31 23 00-1760	EA		Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,107.57	42.98
28 31 23 00-1761	EA		Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,113.97	42.98
28 31 23 00-1762	EA		Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,113.97	42.98
28 31 23 00-1763	EA		Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	830.77	42.98
28 31 23 00-1764	EA		Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	830.77	42.98
28 31 23 00-1765	EA		Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	830.77	42.98
28 31 23 00-1766	EA		Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,113.97	42.98
28 31 23 00-1767	EA		Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,113.97	42.98
28 31 23 00-1768	EA		Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,113.97	42.98
28 31 23 00-1769	EA		Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,113.97	42.98
28 31 23 00-1770	EA		Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,113.97	42.98
28 31 23 00-1771	EA		Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,279.57	42.98
28 31 23 00-1772	EA		Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,189.97	42.98
28 31 23 00-1773	EA		Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,189.97	42.98
28 31 23 00-1774	EA		Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,189.97	42.98
28 31 23 00-1775			Light Engineered Displays Message Boards <small>(28 31 23)</small>		
28 31 23 00-1776	EA		Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS).....	407.58	25.80
28 31 23 00-1777	EA		Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	495.58	25.80
28 31 23 00-1778			STI Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-1779	EA		Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100)..... Note: Include 9 VDC self contained battery.	97.72	12.90
28 31 23 00-1780	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	127.40	12.90
28 31 23 00-1781	EA		Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	86.82	12.90
28 31 23 00-1782	EA		Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)..... Note: For surface mounted horn strobes.	78.79	12.90
28 31 23 00-1783	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	69.96	12.90
28 31 23 00-1784	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)..... Note: For surface mounted strobe.	78.79	12.90
28 31 23 00-1785	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	78.61	12.90
28 31 23 00-1786	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	158.60	12.90
28 31 23 00-1787	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)..... Note: For surface mounted pull stations.	104.48	12.90
28 31 23 00-1788	EA		Backplate For Polycarbonate Cover (STI-1280).....	48.00	12.90
28 31 23 00-1789	EA		Conduit Gasket For Polycarbonate Cover (STI-3003).....	34.00	12.90
28 31 23 00-1790	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100).....	56.80	12.90
28 31 23 00-1791	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	107.40	12.90
28 31 23 00-1792	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A).....	95.20	12.90
28 31 23 00-1793	EA		24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550).....	495.40	12.90
28 31 23 00-1794	EA		Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	77.00	12.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1795 EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	71.00	12.90
28 31 23 00-1796 EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	65.40	12.90
28 31 23 00-1797 EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	71.00	12.90
28 31 23 00-1798 EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	65.40	12.90
28 31 23 00-1799 EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	71.00	12.90
28 31 23 00-1800 EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	65.40	12.90
28 31 23 00-1801 EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	118.60	12.90
28 31 23 00-1802 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	60.20	12.90
28 31 23 00-1803 EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	60.20	12.90
28 31 23 00-1804 EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	91.40	12.90
28 31 23 00-1805 EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	91.40	12.90
28 31 23 00-1806 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	65.80	12.90
28 31 23 00-1807 EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	65.80	12.90
28 31 23 00-1808 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	60.20	12.90
28 31 23 00-1809 EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	65.40	12.90
28 31 23 00-1810 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	65.80	12.90
28 31 23 00-1811 EA Yellow, "High Threat", Push Button Station (STI SS-2201)	67.90	6.44
28 31 23 00-1812 EA Gasket Kit For STI Covers (STI SUB-121).....	30.50	
28 31 23 00-1813	System Sensor Fire Alarm (28 31 23)	
28 31 23 00-1814	Smoke Detectors (28 31 23 00-1813)	
28 31 23 00-1815 EA Beam Detector Heater Kit (System Sensor BEAMHK)	40.60	4.30
28 31 23 00-1816 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	164.60	4.30
Note: Four used with long range kit.		
28 31 23 00-1817 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	207.57	42.98
28 31 23 00-1818 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	153.97	42.98
28 31 23 00-1819 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	126.77	42.98
28 31 23 00-1820 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	116.67	32.24
28 31 23 00-1821 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	118.08	32.24
28 31 23 00-1822 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	122.29	32.24
28 31 23 00-1823 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	118.47	32.24
28 31 23 00-1824 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B).....	126.08	32.24
28 31 23 00-1825 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	125.10	32.24
28 31 23 00-1826 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	150.88	32.24
28 31 23 00-1827 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	89.38	21.50
28 31 23 00-1828 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	100.58	21.50
Note: Requires B100 series base.		
28 31 23 00-1829 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	187.90	10.74
28 31 23 00-1830 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK)	65.50	10.74
28 31 23 00-1831	Duct Smoke Detectors (28 31 23 00-1813)	
28 31 23 00-1832 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	243.08	32.24
28 31 23 00-1833 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	245.68	32.24
28 31 23 00-1834 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	315.68	36.54
28 31 23 00-1835 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S).....	159.78	21.50
28 31 23 00-1836 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	43.30	6.44
28 31 23 00-1837 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	138.75	17.20
28 31 23 00-1838 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW).....	225.23	21.50
28 31 23 00-1839 EA 1' Steel Sampling Tube (System Sensor DST1)	26.00	8.60
28 31 23 00-1840 EA 1.5' Steel Sampling Tube (System Sensor DST1.5).....	28.00	8.60
28 31 23 00-1841 EA 3' Steel Sampling Tube (System Sensor DST3).....	32.00	8.60
28 31 23 00-1842 EA 5' Steel Sampling Tube (System Sensor DST5).....	37.96	10.74
28 31 23 00-1843 EA 10' Steel Sampling Tube (System Sensor DST10).....	59.20	12.90
28 31 23 00-1844 EA 1", Steel, Exhaust Tube Duct (System Sensor ETX).....	28.80	8.60
28 31 23 00-1845 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	66.10	10.74
28 31 23 00-1846 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	140.00	
28 31 23 00-1847 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	150.40	
28 31 23 00-1848	Heat Detectors (28 31 23 00-1813)	
28 31 23 00-1849 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	81.34	32.24
28 31 23 00-1850 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	81.34	32.24
28 31 23 00-1851 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	94.19	32.24
28 31 23 00-1852 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	94.19	32.24
28 31 23 00-1853	Horns (28 31 23 00-1813)	
28 31 23 00-1854 EA Red, Mini Horn (System Sensor MHR)	86.48	32.24
28 31 23 00-1855 EA White, Mini Horn (System Sensor MHW).....	86.48	32.24
28 31 23 00-1856 EA White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW).....	97.68	32.24
28 31 23 00-1857 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	109.08	36.54
28 31 23 00-1858 EA Red, Interior, Wall Mounted, Horn (System Sensor HR).....	97.80	32.24
28 31 23 00-1859 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	116.67	32.24

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1860			Wall Mounted Horns/Strobes <small>(28 31 23 00-1813)</small>		
28 31 23 00-1861	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R).....	125.28	32.24
28 31 23 00-1862	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	130.08	32.24
28 31 23 00-1863	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	165.88	36.54
28 31 23 00-1864	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	165.88	36.54
28 31 23 00-1865	EA		Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF).....	173.28	32.24
28 31 23 00-1866	EA		Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	177.88	36.54
28 31 23 00-1867	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	156.68	36.54
28 31 23 00-1868	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	161.08	36.54
28 31 23 00-1869	EA		Replacement, Outdoor, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	140.48	32.24
28 31 23 00-1870	EA		Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P).....	125.28	32.24
28 31 23 00-1871	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W).....	125.28	32.24
28 31 23 00-1872	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	130.88	32.24
28 31 23 00-1873	EA		Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF).....	173.28	32.24
28 31 23 00-1874	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	165.88	36.54
28 31 23 00-1875	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	165.88	36.54
28 31 23 00-1876	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	130.08	32.24
28 31 23 00-1877	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	161.08	36.54
28 31 23 00-1878	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	161.08	36.54
28 31 23 00-1879	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P).....	125.28	32.24
28 31 23 00-1880	EA		Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R).....	142.36	32.24
28 31 23 00-1881	EA		Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	145.57	32.24
28 31 23 00-1882	EA		Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	167.82	36.54
28 31 23 00-1883	EA		Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-P).....	157.88	36.54
28 31 23 00-1884	EA		White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W).....	142.08	32.24
28 31 23 00-1885	EA		Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4WHK).....	162.68	36.54
28 31 23 00-1886	EA		Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	167.48	36.54
28 31 23 00-1887			Ceiling Mounted Horns/Strobes <small>(28 31 23 00-1813)</small>		
28 31 23 00-1888	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R).....	125.28	32.24
28 31 23 00-1889	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	131.68	32.24
28 31 23 00-1890	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	165.88	36.54
28 31 23 00-1891	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	161.08	36.54
28 31 23 00-1892	EA		Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	126.08	32.24
28 31 23 00-1893	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W).....	125.28	32.24
28 31 23 00-1894	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	131.68	32.24
28 31 23 00-1895	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	165.88	36.54
28 31 23 00-1896	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	131.68	32.24
28 31 23 00-1897	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	161.08	36.54
28 31 23 00-1898	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	125.28	32.24
28 31 23 00-1899	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R).....	142.36	32.24
28 31 23 00-1900	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	145.57	32.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1901 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W)	142.08	32.24
28 31 23 00-1902 Wall Mounted Strobes <small>(28 31 23 00-1813)</small>		
28 31 23 00-1903 EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW)	48.70	10.74
28 31 23 00-1904 EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	90.30	10.74
28 31 23 00-1905 EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR)	113.46	32.24
28 31 23 00-1906 EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	124.70	32.24
28 31 23 00-1907 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	150.96	36.54
28 31 23 00-1908 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	149.35	36.54
28 31 23 00-1909 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	149.08	36.54
28 31 23 00-1910 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	131.48	36.54
28 31 23 00-1911 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P)	113.28	32.24
28 31 23 00-1912 EA White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW)	113.28	32.24
28 31 23 00-1913 EA White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT)	122.08	32.24
28 31 23 00-1914 EA White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT)	119.68	32.24
28 31 23 00-1915 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	124.48	32.24
28 31 23 00-1916 EA White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	123.68	32.24
28 31 23 00-1917 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	123.68	32.24
28 31 23 00-1918 EA Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	150.68	36.54
28 31 23 00-1919 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	150.68	36.54
28 31 23 00-1920 EA White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	150.68	36.54
28 31 23 00-1921 EA Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	134.68	36.54
28 31 23 00-1922 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	149.08	36.54
28 31 23 00-1923 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	149.08	36.54
28 31 23 00-1924 EA White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P)	112.48	32.24
28 31 23 00-1925 EA Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	17.40	4.30
28 31 23 00-1926 EA Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	17.40	4.30
28 31 23 00-1927 EA Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	17.40	4.30
28 31 23 00-1928 EA Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	17.40	4.30
28 31 23 00-1929 Ceiling Mounted Strobes <small>(28 31 23 00-1813)</small>		
28 31 23 00-1930 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR)	113.46	32.24
28 31 23 00-1931 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	126.30	32.24
28 31 23 00-1932 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	150.96	36.54
28 31 23 00-1933 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	150.96	36.54
28 31 23 00-1934 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW)	113.28	32.24
28 31 23 00-1935 EA Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT)	119.68	32.24
28 31 23 00-1936 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	126.08	32.24
28 31 23 00-1937 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	150.68	36.54
28 31 23 00-1938 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	149.08	36.54
28 31 23 00-1939 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	114.08	32.24
28 31 23 00-1940 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	17.40	4.30
28 31 23 00-1941 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	17.40	4.30
28 31 23 00-1942 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	17.40	4.30
28 31 23 00-1943 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	17.40	4.30
28 31 23 00-1944 Wall Mounted Speakers <small>(28 31 23 00-1813)</small>		
28 31 23 00-1945 EA 24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	263.68	32.24

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1946 EA Red, Wall Mounted Speaker (System Sensor SPR)	95.79	32.24
28 31 23 00-1947 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	136.88	32.24
28 31 23 00-1948 EA Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	120.68	36.54
28 31 23 00-1949 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	104.62	32.24
28 31 23 00-1950 EA White, Wall Mounted Speaker (System Sensor SPW)	95.68	32.24
28 31 23 00-1951 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	145.48	36.54
28 31 23 00-1952 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV)	104.48	32.24
28 31 23 00-1953 Ceiling Mounted Speakers <small>(28 31 23 00-1813)</small>		
28 31 23 00-1954 EA Red, Ceiling Mounted Speaker (System Sensor SPCR)	95.79	32.24
28 31 23 00-1955 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	137.14	32.24
28 31 23 00-1956 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCR)	104.62	32.24
28 31 23 00-1957 EA White, Ceiling Mounted Speaker (System Sensor SPCW)	95.68	32.24
28 31 23 00-1958 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	104.48	32.24
28 31 23 00-1959 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	145.48	36.54
28 31 23 00-1960 Wall Mounted Speakers/Strobes <small>(28 31 23 00-1813)</small>		
28 31 23 00-1961 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW)	97.50	10.74
28 31 23 00-1962 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW)	48.70	10.74
28 31 23 00-1963 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR)	146.37	32.24
28 31 23 00-1964 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	155.21	32.24
28 31 23 00-1965 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	204.75	36.54
28 31 23 00-1966 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	204.28	36.54
28 31 23 00-1967 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	175.48	36.54
28 31 23 00-1968 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P)	146.08	32.24
28 31 23 00-1969 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	150.39	32.24
28 31 23 00-1970 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT)	163.68	32.24
28 31 23 00-1971 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	207.48	36.54
28 31 23 00-1972 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW)	146.08	32.24
28 31 23 00-1973 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	154.88	32.24
28 31 23 00-1974 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	154.88	32.24
28 31 23 00-1975 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	204.28	36.54
28 31 23 00-1976 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	204.28	36.54
28 31 23 00-1977 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P)	146.08	32.24
28 31 23 00-1978 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	150.08	32.24
28 31 23 00-1979 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	150.08	32.24
28 31 23 00-1980 Ceiling Mounted Speakers/Strobes <small>(28 31 23 00-1813)</small>		
28 31 23 00-1981 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR)	146.37	32.24
28 31 23 00-1982 EA Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	156.81	32.24
28 31 23 00-1983 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	150.39	32.24
28 31 23 00-1984 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW)	146.08	32.24
28 31 23 00-1985 EA White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT)	156.48	32.24
28 31 23 00-1986 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	154.88	32.24
28 31 23 00-1987 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	206.68	36.54
28 31 23 00-1988 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	154.88	32.24
28 31 23 00-1989 EA White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	207.48	36.54
28 31 23 00-1990 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	204.28	36.54
28 31 23 00-1991 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P)	146.08	32.24
28 31 23 00-1992 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	150.08	32.24



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1993	EA			White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	154.88	32.24
28 31 23 00-1994	EA			White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	150.08	32.24
28 31 23 00-1995	EA			High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	155.74	32.24
28 31 23 00-1996				Electric Alarm Bells (28 31 23 00-1813)		
28 31 23 00-1997	EA			6" Alarm Bell (System Sensor SSM24-6).....	113.28	32.24
28 31 23 00-1998	EA			8" Alarm Bell (System Sensor SSM24-8).....	122.08	32.24
28 31 23 00-1999	EA			10" Alarm Bell (System Sensor SSM24-10).....	143.35	32.24
28 31 23 00-2000				Device Bases (28 31 23 00-1813)		
28 31 23 00-2001	EA			High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	83.10	10.74
28 31 23 00-2002	EA			Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	81.10	10.74
28 31 23 00-2003	EA			Intelligent Isolator Base (System Sensor B224BI).....	67.30	10.74
28 31 23 00-2004	EA			Intelligent Relay Base (System Sensor B224RB).....	68.30	10.74
28 31 23 00-2005	EA			Flangeless, Intelligent Detector Base (System Sensor B501).....	39.70	10.74
28 31 23 00-2006				Boxes, Plates And Decals (28 31 23 00-1813)		
28 31 23 00-2007	EA			Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP).....	34.70	10.74
28 31 23 00-2008	EA			Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP).....	64.60	12.90
28 31 23 00-2009	EA			Conventional Flanged Mounting Base (System Sensor B210LP).....	33.50	10.74
28 31 23 00-2010	EA			120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	62.30	10.74
28 31 23 00-2011	EA			Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	55.10	10.74
28 31 23 00-2012	EA			White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	60.70	10.74
28 31 23 00-2013	EA			White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	55.10	10.74
28 31 23 00-2014	EA			Red Retrofit Plate (System Sensor RFP).....	26.98	6.44
28 31 23 00-2015	EA			White Retrofit Plate (System Sensor RFPW).....	26.98	6.44
28 31 23 00-2016	EA			Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	47.10	10.74
28 31 23 00-2017	EA			Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	48.30	10.74
28 31 23 00-2018	EA			Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR).....	40.30	10.74
28 31 23 00-2019	EA			White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW).....	40.30	10.74
28 31 23 00-2020	EA			Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR).....	34.70	10.74
28 31 23 00-2021	EA			Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR).....	38.70	10.74
28 31 23 00-2022	EA			White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW).....	38.70	10.74
28 31 23 00-2023	EA			White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW).....	34.70	10.74
28 31 23 00-2024	EA			Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	34.30	10.74
28 31 23 00-2025	EA			Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	34.30	10.74
28 31 23 00-2026	EA			Red, Wall Mounted, Trim Ring (System Sensor TR).....	14.44	4.30
28 31 23 00-2027	EA			Red, Ceiling Mounted, Trim Ring (System Sensor TRC).....	14.44	4.30
28 31 23 00-2028	EA			White, Ceiling Mounted, Trim Ring (System Sensor TRCW).....	14.44	4.30
28 31 23 00-2029	EA			Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	12.56	4.30
28 31 23 00-2030	EA			White, Wall Mounted, Trim Ring (System Sensor TRW).....	14.44	4.30
28 31 23 00-2031	EA			Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	18.36	
28 31 23 00-2032	EA			Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	25.46	
28 31 23 00-2033	EA			White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	18.36	
28 31 23 00-2034	EA			White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	25.46	
28 31 23 00-2035				Chimes (28 31 23 00-1813)		
28 31 23 00-2036	EA			Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR).....	100.48	32.24
28 31 23 00-2037	EA			White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW).....	100.48	32.24
28 31 23 00-2038				Chime/Strobes (28 31 23 00-1813)		
28 31 23 00-2039	EA			Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR).....	175.68	32.24
28 31 23 00-2040	EA			White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW).....	175.68	32.24
28 31 23 00-2041				Carbon Monoxide Detectors (28 31 23 00-1813)		
28 31 23 00-2042	EA			Conventional Carbon Monoxide Detector (System Sensor CO1224).....	187.53	42.98
28 31 23 00-2043	EA			Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR).....	165.68	32.24
28 31 23 00-2044	EA			CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE).....	11.80	4.30
28 31 23 00-2045				Switches (28 31 23 00-1813)		
28 31 23 00-2046	EA			SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1).....	139.18	17.20
28 31 23 00-2047	EA			Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2).....	155.18	17.20
28 31 23 00-2048	EA			SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	139.18	17.20
28 31 23 00-2049	EA			Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2).....	155.18	17.20
28 31 23 00-2050	EA			Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2).....	142.38	17.20
28 31 23 00-2051	EA			Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2).....	134.38	17.20

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-2052 Low Frequency Sounders <small>(28 31 23 00-1813)</small>		
28 31 23 00-2053 EA Red, Low Frequency Sounder (System Sensor HR-LF)	126.88	32.24
28 31 23 00-2054 EA White, Low Frequency Sounder (System Sensor HW-LF)	126.88	32.24
28 31 23 00-2055 Sync Modules <small>(28 31 23 00-1813)</small>		
28 31 23 00-2056 EA Red, 12/24 VDC, Sync Module (System Sensor MDL3R).....	110.98	21.50
28 31 23 00-2057 EA White, 12/24 VDC, Sync Module (System Sensor MDL3W)	110.98	21.50
28 31 23 00-2058 Relays <small>(28 31 23 00-1813)</small>		
28 31 23 00-2059 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	63.74	17.20
28 31 23 00-2060 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	41.02	10.74
28 31 23 00-2061 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	115.90	10.74
28 31 23 00-2062 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	85.70	10.74
28 31 23 00-2063 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	68.30	17.20
28 31 23 00-2064 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	42.30	10.74
28 31 23 00-2065 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	130.30	10.74
28 31 23 00-2066 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	97.50	10.74
28 31 23 00-2067 EA 18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	35.90	10.74
28 31 23 00-2068 EA 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2)	35.90	10.74
28 31 23 00-2069 EA Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	35.90	10.74
28 31 23 00-2070 Wheelock Fire Alarm <small>(28 31 23)</small>		
28 31 23 00-2071 Ceiling Mounted Chimes/Strobes <small>(28 31 23 00-2070)</small>		
28 31 23 00-2072 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	203.68	32.24
28 31 23 00-2073 Wall Mounted Chimes/Strobes <small>(28 31 23 00-2070)</small>		
28 31 23 00-2074 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	203.68	32.24
28 31 23 00-2075 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	203.68	32.24
28 31 23 00-2076 Ceiling Mounted Horns/Strobes <small>(28 31 23 00-2070)</small>		
28 31 23 00-2077 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	129.28	32.24
28 31 23 00-2078 EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	129.28	32.24
28 31 23 00-2079 Wall Mounted Horns/Strobes <small>(28 31 23 00-2070)</small>		
28 31 23 00-2080 EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	138.08	32.24
28 31 23 00-2081 EA Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	155.68	32.24
28 31 23 00-2082 EA Red, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	145.28	32.24
28 31 23 00-2083 EA White, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	145.28	32.24
28 31 23 00-2084 EA Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	148.48	32.24
28 31 23 00-2085 EA Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	142.48	32.24
28 31 23 00-2086 EA Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	142.08	32.24
28 31 23 00-2087 EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	160.28	36.54
28 31 23 00-2088 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	129.68	32.24
28 31 23 00-2089 EA White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	129.68	32.24
28 31 23 00-2090 Ceiling Mounted Strobes <small>(28 31 23 00-2070)</small>		
28 31 23 00-2091 EA Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	116.08	32.24
28 31 23 00-2092 EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	116.08	32.24
28 31 23 00-2093 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	118.08	32.24
28 31 23 00-2094 EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	118.08	32.24
28 31 23 00-2095 Wall Mounted Strobes <small>(28 31 23 00-2070)</small>		
28 31 23 00-2096 EA Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	176.48	32.24
28 31 23 00-2097 EA Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	144.48	32.24
28 31 23 00-2098 EA Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	127.68	32.24
28 31 23 00-2099 EA Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	119.68	32.24
28 31 23 00-2100 EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	119.68	32.24
28 31 23 00-2101 EA Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	131.28	32.24
28 31 23 00-2102 EA Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	135.48	36.54
Note: Requires WPSBB-R.		
28 31 23 00-2103 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	118.08	32.24
28 31 23 00-2104 EA White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	118.08	32.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-2105 Ceiling Mounted Speakers/Strobes (28 31 23 00-2070)		
28 31 23 00-2106 EA Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	154.08	32.24
28 31 23 00-2107 EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	154.08	32.24
28 31 23 00-2108 EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	152.48	32.24
28 31 23 00-2109 EA White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	154.08	32.24
28 31 23 00-2110 EA White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	164.08	32.24
28 31 23 00-2111 EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	167.68	32.24
28 31 23 00-2112 Wall Mounted Speakers/Strobes (28 31 23 00-2070)		
28 31 23 00-2113 EA Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	169.28	32.24
28 31 23 00-2114 EA White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	169.28	32.24
28 31 23 00-2115 EA Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	164.08	32.24
28 31 23 00-2116 EA White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	164.08	32.24
28 31 23 00-2117 EA Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	154.08	32.24
28 31 23 00-2118 EA White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	150.88	32.24
28 31 23 00-2119 EA Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	164.08	32.24
28 31 23 00-2120 EA White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	164.08	32.24
28 31 23 00-2121 EA Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	167.68	32.24
28 31 23 00-2122 EA Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	154.08	32.24
28 31 23 00-2123 EA White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	150.88	32.24
28 31 23 00-2124 EA Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	164.08	32.24
28 31 23 00-2125 EA White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	167.68	32.24
28 31 23 00-2126 EA Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	167.68	32.24
28 31 23 00-2127 EA White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	167.68	32.24
28 31 23 00-2128 EA Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR)	183.08	36.54
Note: Requires weatherproof backbox (IOB).		
28 31 23 00-2129 Electric Alarm Bells (28 31 23 00-2070)		
28 31 23 00-2130 EA 6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	132.08	32.24
28 31 23 00-2131 EA 6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	132.08	32.24
28 31 23 00-2132 EA 10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	169.28	32.24
28 31 23 00-2133 EA 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R)	1,121.88	36.54
28 31 23 00-2134 EA Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R)	1,769.08	36.54
28 31 23 00-2135 EA Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R)	1,653.08	36.54
28 31 23 00-2136 EA 6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R)	103.08	32.24
28 31 23 00-2137 EA 10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R)	126.88	32.24
28 31 23 00-2138 Horns (28 31 23 00-2070)		
28 31 23 00-2139 EA Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R)	96.48	32.24
28 31 23 00-2140 EA Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR)	96.08	32.24
28 31 23 00-2141 EA White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW)	96.08	32.24
28 31 23 00-2142 EA Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNR)	96.48	32.24
28 31 23 00-2143 EA White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNR)	96.48	32.24
28 31 23 00-2144 EA Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	82.88	32.24
28 31 23 00-2145 EA White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	82.88	32.24
28 31 23 00-2146 EA Red, Flush, 12/24 VDC, Horn (Wheelock MT-12/24-R)	94.48	32.24
28 31 23 00-2147 Speakers (28 31 23 00-2070)		
28 31 23 00-2148 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R)	98.88	32.24
28 31 23 00-2149 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W)	98.88	32.24
28 31 23 00-2150 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R)	98.88	32.24
28 31 23 00-2151 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W)	96.88	32.24
28 31 23 00-2152 EA Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	98.88	32.24
28 31 23 00-2153 EA White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	98.88	32.24
28 31 23 00-2154 EA Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	98.88	32.24
28 31 23 00-2155 EA White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	98.88	32.24
28 31 23 00-2156 EA Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R)	111.68	32.24
28 31 23 00-2157 EA White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W)	111.68	32.24
28 31 23 00-2158 EA White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W)	113.28	32.24
28 31 23 00-2159 EA Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	124.88	32.24
28 31 23 00-2160 EA Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	119.68	32.24

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-2161	EA		Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S)	223.68	32.24
28 31 23 00-2162	EA		Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR)	223.68	32.24
28 31 23 00-2163			Sync Modules <small>(28 31 23 00-2070)</small>		
28 31 23 00-2164	EA		12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	105.38	21.50
28 31 23 00-2165			Boxes, Plates And Rings <small>(28 31 23 00-2070)</small>		
28 31 23 00-2166	EA		4" Square, Red, Surface Backbox (Wheelock BB-R)	28.90	10.74
28 31 23 00-2167	EA		Standard 4" Square Box (Wheelock BB-STD)	26.78	10.74
28 31 23 00-2168	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC)	143.78	21.50
28 31 23 00-2169	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	143.78	21.50
28 31 23 00-2170	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	107.18	17.20
28 31 23 00-2171	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	15.60	4.30
28 31 23 00-2172	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W)	15.40	4.30
28 31 23 00-2173	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	37.10	10.74
28 31 23 00-2174	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	35.50	10.74
28 31 23 00-2175	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	37.90	10.74
28 31 23 00-2176	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	37.90	10.74
28 31 23 00-2177	EA		4" Square Backbox (Wheelock DBB-R)	30.70	10.74
28 31 23 00-2178	EA		Red, Surface Backbox (Wheelock IOB-R)	36.30	10.74
28 31 23 00-2179	EA		White, Surface, Backbox (Wheelock IOB-W)	36.30	10.74
28 31 23 00-2180	EA		White, Indoor, Surface Extender (Wheelock ISP2-W)	14.80	4.30
28 31 23 00-2181	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	15.40	4.30
28 31 23 00-2182	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	15.40	4.30
28 31 23 00-2183	EA		Red Retrofit Plate (Wheelock RP-R)	17.80	4.30
28 31 23 00-2184	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	25.40	4.30
28 31 23 00-2185	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	37.90	10.74
28 31 23 00-2186	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	37.90	10.74
28 31 23 00-2187	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	40.90	10.74
28 31 23 00-2188	EA		Red, Semi-Flush Plate (Wheelock SFB-R)	16.00	4.30
28 31 23 00-2189	EA		White, Semi-Flush Plate (Wheelock SFB-W)	16.00	4.30
28 31 23 00-2190	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	33.50	10.74
28 31 23 00-2191	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	33.50	10.74
28 31 23 00-2192	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	22.00	4.30
28 31 23 00-2193	EA		Red, Weatherproof Backbox (Wheelock WBB)	47.10	10.74
28 31 23 00-2194	EA		Weather Resistant Backbox (Wheelock WBB-R)	37.90	10.74
28 31 23 00-2195	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	28.00	4.30
28 31 23 00-2196	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	28.00	4.30
28 31 23 00-2197	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	28.00	4.30
28 31 23 00-2198	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	28.00	4.30
28 31 23 00-2199	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	16.00	4.30
28 31 23 00-2200	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	39.90	10.74
28 31 23 00-2201	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	37.90	10.74
28 31 23 00-2202			Fire Alarm Terminal Cabinets <small>(28 31 23)</small>		
28 31 23 00-2203	EA		18 Point Lockable Fire Alarm Terminal Cabinet	151.67	43.05
28 31 23 00-2204	EA		32 Point Lockable Fire Alarm Terminal Cabinet	191.02	43.05
28 31 23 00-2205	EA		64 Point Lockable Fire Alarm Terminal Cabinet	269.72	43.05
28 31 23 00-2206	EA		128 Point Lockable Fire Alarm Terminal Cabinet	348.39	43.05
28 33 Gas Detection and Alarm <small>(28 30)</small>					
28 33 00 00-0001			Hydrogen Gas Detection <small>(28 33)</small>		
28 33 00 00-0002	EA		Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,025.99	32.29
28 33 00 00-0003	EA		Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	59.13	10.76
28 33 00 00-0004	EA		Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	274.05	32.29
28 33 00 00-0005			Monitoring System For Underground Tanks <small>(28 33)</small>		
28 33 00 00-0006			Continuous Leak Detection System <small>(28 33 00 00-0005)</small>		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.					
28 33 00 00-0007	EA		Single Channel Underground Tank Monitoring System	3,237.85	352.47
28 33 00 00-0008	EA		2 Channel Underground Tank Monitoring System	4,362.61	470.25
28 33 00 00-0009	EA		3 Channel Underground Tank Monitoring System	5,999.73	503.78
28 33 00 00-0010	EA		4 Channel Underground Tank Monitoring System	6,612.14	704.95
28 33 00 00-0011	EA		Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	4,180.01	60.18
28 33 00 00-0012	EA		Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	3,768.94	53.74
28 33 00 00-0013	EA		Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	4,944.82	60.18
28 33 00 00-0014	EA		Tank Leak Detection Probe	1,524.52	12.90
28 33 00 00-0015	EA		Secondary Containment Collar Probe	189.94	5.16
28 33 00 00-0016	EA		Interstitial Leak Detection Probe	349.53	10.74
28 33 00 00-0017	EA		Liquid Phase Detection	1,150.04	32.24
28 33 00 00-0018	EA		Hydrocarbon Vapor, Fixed	1,064.20	32.24
28 33 00 00-0019	EA		Hydrocarbon Vapor, Float Mounted	1,239.96	36.54
28 33 00 00-0020	EA		Liquid And Vapor Hydrocarbon	1,411.65	36.54



Electronic Safety And Security	28	28
Electronic Detection And Alarm	28 30	
Gas Detection and Alarm	28 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 34 Fuel-Oil Detection and Alarm (28 30)
See CSI section 28 33 00 00-0000 for detection and alarms.

END OF SECTION 28

28 Electronic Safety And Security

28 30 Electronic Detection And Alarm

28 34 Fuel-Oil Detection and Alarm



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Earthwork	31	13
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	456.99
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	746.05
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	632.87

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 13 00-0002	CY Sand, Bank Run.....	48.56
	For Up To 10, Add	13.99
	For >10 To 25, Add	4.86
31 05 13 00-0003	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	50.51
	For Up To 10, Add	14.58
	For >10 To 25, Add	5.05
31 05 13 00-0004	CY Native Clean Fill Soil/Dirt - Common.....	33.51
	For Up To 10, Add	9.48
	For >10 To 25, Add	3.35
31 05 13 00-0005	CY Lime Rock Screening.....	37.98
	For Up To 10, Add	10.82
	For >10 To 25, Add	3.80
31 05 13 00-0006	CY Crushed Lime Rock Maximum 3-1/2".....	34.73
	For Up To 10, Add	9.84
	For >10 To 25, Add	3.47
31 05 13 00-0007	CY Asphalt Sand.....	45.16
	For Up To 10, Add	12.97
	For >10 To 25, Add	4.52
31 05 13 00-0008	CY Lawn Sand.....	35.51
	For Up To 10, Add	10.08
	For >10 To 25, Add	3.55
31 05 13 00-0009	CY Sand/Clay.....	47.48
	For Up To 10, Add	13.67
	For >10 To 25, Add	4.75
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	75.09
	For Up To 10, Add	21.95
	For >10 To 25, Add	7.51
31 05 13 00-0011	CY Sand Fill, Washed Aggregate.....	66.63
	For Up To 10, Add	19.41
	For >10 To 25, Add	6.66
31 05 13 00-0012	CY Pond Sand.....	27.19
	For Up To 10, Add	7.58
	For >10 To 25, Add	2.72
31 05 13 00-0013	CY Pitrun Clay.....	37.57
	For Up To 10, Add	10.70
	For >10 To 25, Add	3.76
31 05 13 00-0014	CY Light Clay / Loam.....	56.07
	For Up To 10, Add	16.25
	For >10 To 25, Add	5.61
31 05 13 00-0015	CY Heavy Clay.....	46.89
	For Up To 10, Add	13.49
	For >10 To 25, Add	4.69
31 05 13 00-0016	CY SDG&E Sand.....	29.66
31 05 13 00-0017	TON SDG&E B20 Sand.....	31.11

31 05 16 Aggregates For Earthwork ^(31 05)

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

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles, 01 74 19 00-0052 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	59.44
	For Up To 10, Add	17.26
	For >10 To 25, Add	5.94
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean).....	50.94
	For Up To 10, Add	14.71
	For >10 To 25, Add	5.09

31 Earthwork
31 05 Common Work Results For Earthwork
31 05 16 Aggregates For Earthwork



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0004 CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	52.02	
For Up To 10, Add	15.03	
For >10 To 25, Add	5.20	
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean)	57.13	
For Up To 10, Add	16.56	
For >10 To 25, Add	5.71	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean)	58.17	
For Up To 10, Add	16.88	
For >10 To 25, Add	5.82	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1")	60.27	
For Up To 10, Add	17.51	
For >10 To 25, Add	6.03	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (#4 To 1")	61.51	
For Up To 10, Add	17.88	
For >10 To 25, Add	6.15	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (#4 To 3/4")	62.68	
For Up To 10, Add	18.23	
For >10 To 25, Add	6.27	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (1/2" To #4)	62.89	
For Up To 10, Add	18.29	
For >10 To 25, Add	6.29	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (#8 To 1/2")	65.00	
For Up To 10, Add	18.92	
For >10 To 25, Add	6.50	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/8" x 1/8")	67.10	
For Up To 10, Add	19.55	
For >10 To 25, Add	6.71	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (#16 To 3/8")	67.43	
For Up To 10, Add	19.65	
For >10 To 25, Add	6.74	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (1/4" Clean)	67.76	
For Up To 10, Add	19.75	
For >10 To 25, Add	6.78	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (#8 To 3/4)	70.95	
For Up To 10, Add	20.71	
For >10 To 25, Add	7.10	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (#16 To 3/4")	64.56	
For Up To 10, Add	18.79	
For >10 To 25, Add	6.46	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill	49.01	
For Up To 10, Add	14.13	
For >10 To 25, Add	4.90	
31 05 16 00-0018 CY Stone Aggregate Fill, Random Size, Over 6" To 12"	72.55	
For Up To 10, Add	21.19	
For >10 To 25, Add	7.26	
31 05 16 00-0019 CY Graded Stone Aggregate Fill, Over 6" To 12"	81.73	
For Up To 10, Add	23.94	
For >10 To 25, Add	8.17	
31 05 16 00-0020 CY Surge Stone Aggregate Fill (3" To 7" Random)	62.55	
For Up To 10, Add	18.19	
For >10 To 25, Add	6.26	
31 05 16 00-0021 CY Surge Stone Graded Aggregate Fill (3" To 7")	74.73	
For Up To 10, Add	21.84	
For >10 To 25, Add	7.47	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus)	59.14	
For Up To 10, Add	17.17	
For >10 To 25, Add	5.91	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus)	57.05	
For Up To 10, Add	16.54	
For >10 To 25, Add	5.71	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus)	49.91	
For Up To 10, Add	14.40	
For >10 To 25, Add	4.99	
31 05 16 00-0025 CY Silica Sand #20 (For Playground Use Only)	162.59	
For Up To 10, Add	48.20	
For >10 To 25, Add	16.26	
31 05 16 00-0026 CY Graded Aggregate Base Fill (3/4" Minus) Class II Base	44.81	
For Up To 10, Add	12.87	
For >10 To 25, Add	4.48	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾

31 11 Clearing And Grubbing ^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip.....6,330.59
Note: Includes grub and removal of stump



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	1,497.34	
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	7,385.69	
Note: Includes grub and removal of stump		
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,495.56	
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	8,392.82	
Note: Includes grub and removal of stump		
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,836.20	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub	241.83	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub	491.83	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub	697.13	
31 11 00 00-0011 ACR Chipping - Light Brush	1,969.87	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,532.81	
31 11 00 00-0013 ACR Chipping - Heavy Brush	3,546.26	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material ^(31 11)		
See CSI section 01 74 19 00-0050 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	8.26	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	9.91	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	31.86	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material	25.03	
31 13 Selective Tree And Shrub Removal And Trimming ^(31 10)		
31 13 13 Selective Tree And Shrub Removal ^(31 13)		
31 13 13 00-0001 Individual Tree Removal ^(31 13 13)		
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	461.60	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	692.41	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	923.21	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,384.81	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	1,846.42	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 Stump Removal ^(31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0008 Stump Removal By Machine ^(31 13 13 00-0007)		
31 13 13 00-0009 EA Up To 6" Diameter Stump Removal	74.87	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >6" To 12" Diameter Stump Removal	143.49	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal	187.16	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal	280.75	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >36" To 48" Diameter Stump Removal	330.68	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 Stump Removal By Hand ^(31 13 13 00-0007)		
31 13 13 00-0015 EA Up To 6" Diameter Stump Removal By Hand	488.98	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >6" To 12" Diameter Stump Removal By Hand	611.23	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >12" To 24" Diameter Stump Removal By Hand	896.47	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >24" To 36" Diameter Stump Removal By Hand	1,222.44	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >36" To 48" Diameter Stump Removal By Hand	1,629.93	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0020 Stump Grinding ^(31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil ^(31 13 13 00-0020)		
Note: Level soil to match existing surface area.		
31 13 13 00-0022 EA Stump Grinding Up To 6" Tree	95.16	
		19.03
<i>For 24" Depth, Add</i>		

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0023 EA Stump Grinding >6" To 12" Tree.....	126.88	
For 24" Depth, Add	25.38	
31 13 13 00-0024 EA Stump Grinding >12" To 15" Tree.....	142.73	
For 24" Depth, Add	28.55	
31 13 13 00-0025 EA Stump Grinding >15" To 18" Tree.....	158.60	
For 24" Depth, Add	31.72	
31 13 13 00-0026 EA Stump Grinding >18" To 21" Tree.....	170.49	
For 24" Depth, Add	34.10	
31 13 13 00-0027 EA Stump Grinding >21" To 24" Tree.....	182.38	
For 24" Depth, Add	36.48	
31 13 13 00-0028 EA Stump Grinding >24" To 27" Tree.....	198.24	
For 24" Depth, Add	39.65	
31 13 13 00-0029 EA Stump Grinding >27" To 30" Tree.....	216.17	
For 24" Depth, Add	43.23	
31 13 13 00-0030 EA Stump Grinding >30" To 33" Tree.....	240.19	
For 24" Depth, Add	48.04	
31 13 13 00-0031 EA Stump Grinding >33" To 36" Tree.....	256.20	
For 24" Depth, Add	51.24	
31 13 13 00-0032 EA Stump Grinding >36" To 42" Tree.....	288.23	
For 24" Depth, Add	57.65	
31 13 13 00-0033 EA Stump Grinding >42" To 48" Tree.....	320.26	
For 24" Depth, Add	64.05	

31 13 16 Selective Tree And Shrub Trimming (31 13)**31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance (31 13 16)**

Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.56
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.35
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.76

31 20 Earth Moving (31)

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill (31 20)**31 23 16 Excavation (31 23)****31 23 16 13 Trenching (31 23 16)**

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002 CY 12" Wide or Less, Excavation for Trenching by Machine in Soil	8.03
For Excavation In Light Material (Class A), Deduct	-1.00
For Excavation In Heavy/Wet Material (Class C), Add	3.21
For Up To 20, Add	6.42
For >20 To 50, Add	4.02
For >50 To 250, Add	2.01
For >500 To 1,000, Deduct	-1.20
For >1,000, Deduct	-2.41
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil	5.18
For Excavation In Light Material (Class A), Deduct	-0.65
For Excavation In Heavy/Wet Material (Class C), Add	2.07
For Up To 20, Add	4.14
For >20 To 50, Add	2.59
For >50 To 250, Add	1.30
For >500 To 1,000, Deduct	-0.78
For >1,000, Deduct	-1.55
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	13.27
For Up To 20, Add	10.62
For >20 To 50, Add	6.64
For >50 To 250, Add	3.32
For >500 To 1,000, Deduct	-1.99
For >1,000, Deduct	-3.98



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock.....	9.20	
For Up To 20, Add	7.36	
For >20 To 50, Add	4.60	
For >50 To 250, Add	2.30	
For >500 To 1,000, Deduct	-1.38	
For >1,000, Deduct	-2.76	
31 23 16 13-0006 Excavation For Trenching By Hand (31 23 16 13)		
31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil.....	105.13	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock.....	180.35	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches (31 23 16 13)		
Note: With imported or stockpiled materials.		
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	2.80	
For Up To 20, Add	2.24	
For >20 To 50, Add	1.40	
For >50 To 250, Add	0.70	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.84	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	29.21	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches (31 23 16 13)		
Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	6.08	
For Up To 20, Add	4.86	
For >20 To 50, Add	3.04	
For >50 To 250, Add	1.52	
For >500 To 1,000, Deduct	-0.91	
For >1,000, Deduct	-1.82	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand.....	32.94	
31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching.....	4.87	
For Up To 20, Add	3.90	
For >20 To 50, Add	2.44	
For >50 To 250, Add	1.22	
For >500 To 1,000, Deduct	-0.73	
For >1,000, Deduct	-1.46	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching.....	77.10	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine.....	2.22	
For Up To 20, Add	1.78	
For >20 To 50, Add	1.11	
For >50 To 250, Add	0.56	
For >500 To 1,000, Deduct	-0.33	
For >1,000, Deduct	-0.67	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep.....	1.69	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep.....	1.86	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep.....	2.65	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep.....	2.99	
31 23 16 13-0025 Utility Chain Trencher (31 23 16 13)		
31 23 16 13-0026 Utility Trench, Chain Trencher (31 23 16 13-0025)		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	0.94	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.02	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.07	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.12	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.23	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.40	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	1.68	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.59	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.87	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	2.12	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	2.53	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 13-0038	Backfill Trenches With Compaction <small>(31 23 16 13-0025)</small>	
31 23 16 13-0039	LF Backfill 4" Wide, 12" Deep Trench, With Compaction	0.15
31 23 16 13-0040	LF Backfill 4" Wide, 18" Deep Trench, With Compaction	0.23
31 23 16 13-0041	LF Backfill 4" Wide, 24" Deep Trench, With Compaction	0.30
31 23 16 13-0042	LF Backfill 6" Wide, 12" Deep Trench, With Compaction	0.23
31 23 16 13-0043	LF Backfill 6" Wide, 18" Deep Trench, With Compaction	0.30
31 23 16 13-0044	LF Backfill 6" Wide, 24" Deep Trench, With Compaction	0.45
31 23 16 13-0045	LF Backfill 6" Wide, 36" Deep Trench, With Compaction	0.65
31 23 16 13-0046	LF Backfill 8" Wide, 12" Deep Trench, With Compaction	0.30
31 23 16 13-0047	LF Backfill 8" Wide, 18" Deep Trench, With Compaction	0.45
31 23 16 13-0048	LF Backfill 8" Wide, 24" Deep Trench, With Compaction	0.60
31 23 16 13-0049	LF Backfill 8" Wide, 36" Deep Trench, With Compaction	0.92

31 23 16 26 Rock Removal (31 23 16)

31 23 16 26-0001	Rock Breaking By Machine <small>(31 23 16 26)</small>	
	Note: Excludes excavation of broken-up rock.	
31 23 16 26-0002	CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	19.30
31 23 16 26-0003	CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	20.58
31 23 16 26-0004	CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	24.44

31 23 16 33 Bulk Excavation (31 23 16)

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.

31 23 16 33-0001	Excavation <small>(31 23 16 33)</small>	
	Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.	
31 23 16 33-0002	CY Bulk Excavation by Dozer in Soil	6.96
	For Excavation In Light Material (Class A), Deduct	-0.87
	For Excavation In Heavy/Wet Material (Class C), Add	2.78
	For >1,000, Deduct	-1.04
31 23 16 33-0003	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.17
	For Excavation In Light Material (Class A), Deduct	-0.52
	For Excavation In Heavy/Wet Material (Class C), Add	1.67
	For >1,000, Deduct	-0.63
31 23 16 33-0004	CY Bulk Excavation by Dozer in Loose Rock	8.56
	For >1,000, Deduct	-1.28
31 23 16 33-0005	CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	5.15
	For >1,000, Deduct	-0.77

31 23 16 33-0006 Spreading, Shaping And Rough Grading (31 23 16 33)

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.29
	For >1,000, Deduct	-0.64

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.78
	For >1,000, Deduct	-0.72

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	3.82
	For >1,000, Deduct	-0.57
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	5.73
	For >1,000, Deduct	-0.86
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.59
	For >1,000, Deduct	-1.29
31 23 16 33-0014	CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.46
	For >1,000, Deduct	-1.72

31 23 16 33-0015 Finish Grading (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0016	SY Finish Grading for Bulk Excavation by Machine	0.47
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31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift (31 23 16 33)

Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 33-0018	SY Compaction of Fill or Subbase for Bulk Excavation by Machine	0.50
	Note: Per Lift	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation (31 23 16 33)

Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... <i>For >1,000, Deduct</i>	4.07	-0.61
31 23 16 36 Excavation For Building Foundations And Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Bobcat <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Bobcat In Soil..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	6.60	-0.83 2.64 6.60 4.95 2.64 0.99
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Bobcat In Loose Rock..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	8.11	8.11 6.08 3.24 1.22
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.01	-0.63 2.00 5.01 3.76 2.00 0.75
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.97	5.97 4.48 2.39 0.90
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	105.13	-13.14 42.05
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	180.35	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	3.82	3.82 2.87 1.53 0.57
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.73	5.73 4.30 2.29 0.86
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	8.59	8.59 6.44 3.44 1.29
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	11.46	11.46 8.60 4.58 1.72
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small> Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Bobcat.....	3.22	
For Up To 20, Add	3.22	
For >20 To 50, Add	2.42	
For >50 To 250, Add	1.29	
For >250 To 500, Add	0.48	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.88	
For Up To 20, Add	3.88	
For >20 To 50, Add	2.91	
For >50 To 250, Add	1.55	
For >250 To 500, Add	0.58	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	50.06	
31 23 16 36-0020 Compaction Of Fill Or Subbase (31 23 16 36)		
Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.63	
For Up To 20, Add	9.63	
For >20 To 50, Add	7.22	
For >50 To 250, Add	3.85	
For >250 To 500, Add	1.44	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	32.94	
31 23 16 36-0023 Grading (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	0.82	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	1.33	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand	9.74	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation (31 23 16 36)		
Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.24	
For Up To 20, Add	4.24	
For >20 To 50, Add	3.18	
For >50 To 250, Add	1.70	
For >250 To 500, Add	0.64	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	77.10	
31 23 16 36-0030 Spread Material (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine.....	2.22	
For Up To 20, Add	2.22	
For >20 To 50, Add	1.67	
For >50 To 250, Add	0.89	
For >250 To 500, Add	0.33	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand.....	42.55	
31 23 16 43 Mass Excavation (31 23 16)		
31 23 16 43-0001 Mass Excavation By Dozer (31 23 16 43)		
Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push (31 23 16 43-0001)		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) (31 23 16 43-0002)		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.25	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.30	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	7.87	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) (31 23 16 43-0002)		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour	2.57	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.43	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.40	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) (31 23 16 43-0002)		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	1.89	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.30	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.22	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) (31 23 16 43-0002)		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour	1.64	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.10	
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.69	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour.....	1.09	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour.....	1.34	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour.....	1.75	
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour.....	2.24	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour.....	0.89	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour.....	1.10	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour.....	1.44	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour.....	1.80	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour.....	0.67	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour.....	0.84	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour.....	1.09	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour.....	1.35	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour.....	0.55	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour.....	0.68	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour.....	0.89	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour.....	1.11	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push.....	12.60	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push.....	15.75	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push.....	7.71	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push.....	8.81	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push.....	10.29	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push.....	4.60	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push.....	5.37	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push.....	6.44	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push.....	3.43	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push.....	4.19	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push.....	5.38	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push.....	2.36	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push.....	3.09	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push.....	4.02	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push.....	5.03	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push.....	1.80	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push.....	2.26	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push.....	2.89	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push.....	3.72	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push.....	1.28	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push.....	1.56	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push.....	2.08	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push.....	2.62	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push.....	0.99	
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push.....	1.24	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push.....	1.61	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 43-0074	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push	2.02
31 23 16 43-0075		Dozing Distance Averages 450 Feet Push <small>(31 23 16 43-0001)</small>	
31 23 16 43-0076		Dozer With U-Blade, 215 HP, (D-7G) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0077	BCY	Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	2.68
31 23 16 43-0078	BCY	Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.34
31 23 16 43-0079	BCY	Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	4.46
31 23 16 43-0080	BCY	Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	5.74
31 23 16 43-0081		Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0082	BCY	Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.48
31 23 16 43-0083	BCY	Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.06
31 23 16 43-0084	BCY	Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	4.00
31 23 16 43-0085	BCY	Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.20
31 23 16 43-0086		Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0087	BCY	Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.73
31 23 16 43-0088	BCY	Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.17
31 23 16 43-0089	BCY	Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	2.77
31 23 16 43-0090	BCY	Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.57
31 23 16 43-0091		Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0092	BCY	Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.47
31 23 16 43-0093	BCY	Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	1.81
31 23 16 43-0094	BCY	Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.37
31 23 16 43-0095	BCY	Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.02
31 23 16 43-0096		Excavation By Push Loaded Scraper <small>(31 23 16 43)</small>	
		Note: Choose scraper capacity and cycle time.	
31 23 16 43-0097		Self Propelled Scraper Capacity 9 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0098	BCY	Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.07
31 23 16 43-0099		Self Propelled Scraper Capacity 16 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0100	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.14
31 23 16 43-0101	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.20
31 23 16 43-0102	BCY	Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	4.79
31 23 16 43-0103		Self Propelled Scraper Capacity 25 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0104	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.37
31 23 16 43-0105	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.08
31 23 16 43-0106	BCY	Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.45
31 23 16 43-0107		Self Propelled Scraper Capacity 35 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0108	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.05
31 23 16 43-0109	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.57
31 23 16 43-0110	BCY	Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.11
31 23 16 43-0111		Mass Excavation By Bucket Drag-Line <small>(31 23 16 43)</small>	
31 23 16 43-0112	CY	Excavate Sand/Gravel, By Bucket Drag Line	6.03
31 23 16 43-0113	CY	Excavate, Soil, By Bucket Drag Line	10.30

31 23 19 Dewatering (31 23)

31 23 19 00-0001		Well Point Dewatering System <small>(31 23 19)</small>	
31 23 19 00-0002		Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>	
		Note: Priced by linear foot of header used.	
31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	98.91
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	54.40
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	49.45
31 23 19 00-0006	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	44.52
31 23 19 00-0007	LF	>1,000' To 1,000' In Length Well Point System Delivery, Installation And Removal	39.57
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	34.62



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0009 Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.10	
For >5 Days And <1 Month, Deduct	-0.24	
For >1 Month, Deduct	-0.31	
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
For >5 Days And <1 Month, Deduct	-0.14	
For >1 Month, Deduct	-0.18	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.46	
For >5 Days And <1 Month, Deduct	-0.10	
For >1 Month, Deduct	-0.13	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.34	
For >5 Days And <1 Month, Deduct	-0.07	
For >1 Month, Deduct	-0.10	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.31	
For >5 Days And <1 Month, Deduct	-0.07	
For >1 Month, Deduct	-0.09	
31 23 19 00-0015 Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>		
Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016 HR Operation Costs	85.89	
31 23 23 Fill <small>(31 23)</small>		
31 23 23 23 Compaction <small>(31 23 23)</small>		
31 23 23 23-0001 Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator	147.75	
Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1043 for water truck when water is available on site.		
31 23 23 33 Flowable Fill <small>(31 23 23)</small>		
31 23 23 33-0001 Flowable Cement Backfill For Trenches <small>(31 23 23 33)</small>		
Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002 CY Flowable Cement Backfill for Trenches	100.36	
For Up To 20, Add	41.24	
For >20 To 50, Add	26.75	
For >50 To 250, Add	13.38	
For >500 To 1,000, Deduct	-7.25	
For >1,000, Deduct	-14.49	
31 24 Embankments <small>(31 20)</small>		
31 24 13 Roadway Embankments <small>(31 24)</small>		
31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002 Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003 Cutting, Shaping, And Rough Grading By Machine <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	4.78	
For Up To 20, Add	4.78	
For >20 To 50, Add	3.59	
For >50 To 250, Add	1.91	
For >250 To 500, Add	0.72	
For >1,000, Deduct	-0.72	
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	5.92	
For Up To 20, Add	5.92	
For >20 To 50, Add	4.44	
For >50 To 250, Add	2.37	
For >250 To 500, Add	0.89	
For >1,000, Deduct	-0.89	
31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>		

31	31	Earthwork
	31 20	Earth Moving
	31 24	Embankments



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	5.40
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope.....	7.01
31 24 13 00-0009		Scarify Soil <small>(31 24 13 00-0001)</small>	
		Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	4.42
		For Up To 20, Add	2.21
		For >20 To 50, Add	1.11
		For >250 To 500, Deduct	-0.44
		For >500, Deduct	-0.88
31 24 13 00-0011		Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>	
31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	8.59
		For Up To 20, Add	8.59
		For >20 To 50, Add	6.44
		For >50 To 250, Add	3.44
		For >250 To 500, Add	1.29
		For >1,000, Deduct	-1.29
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	11.46
		For Up To 20, Add	11.46
		For >20 To 50, Add	8.60
		For >50 To 250, Add	4.58
		For >250 To 500, Add	1.72
		For >1,000, Deduct	-1.72
31 24 13 00-0014		Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>	
		Note: For roadways, parking areas, landscaping and embankments.	
31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	5.25
		For Up To 20, Add	5.25
		For >20 To 50, Add	3.94
		For >50 To 250, Add	2.10
		For >250 To 500, Add	0.79
		For >1,000, Deduct	-0.79
31 24 13 00-0016		Grading <small>(31 24 13 00-0001)</small>	
		Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.57
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.75
31 24 13 00-0019	LF	Finish Grade For Curb.....	0.85
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter.....	1.04
31 24 13 00-0021		Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small>	
		Note: For roadways, parking areas, landscaping and embankments by machine, per lift.	
31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.50
		For Up To 250, Add	0.50
		For >250 To 500, Add	0.38
		For >500 To 1,000, Add	0.20
		For >5,000, Deduct	-0.08
31 24 13 00-0023		Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small>	
		Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.	
31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	4.07
		For Up To 20, Add	4.07
		For >20 To 50, Add	3.05
		For >50 To 250, Add	1.63
		For >250 To 500, Add	0.61
		For >1,000, Deduct	-0.61

31 25 Erosion And Sedimentation Controls (31 20)

31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	38.01
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	34.45
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	31.43
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied.....	29.71

31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)



Earthwork	31	13
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket .....1.37 Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	1.37	
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket .....1.61 Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	1.61	
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket .....1.33 Note: As manufactured by American Excelsior	1.33	
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket .....1.37 Note: As manufactured by American Green.	1.37	
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting .....1.27	1.27	
31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket .....1.73 Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	1.73	
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket .....2.11 Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	2.11	
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural .....1.55 Note: As manufactured by American Excelsior.	1.55	
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green .....1.59 Note: As manufactured by American Excelsior.	1.59	
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket .....1.66 Note: As manufactured by American Excelsior.	1.66	
31 25 14 16-0014 Turf Reinforcement Mats (TRM) <small>(31 25 14 16-0001)</small>		
Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat .....8.41 Note: 100% synthetic, UV stabilized, two layer netting.	8.41	
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat .....7.82 Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	7.82	
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat .....6.50 Note: As manufactured by American Excelsior, 100% recycled	6.50	
31 25 14 16-0018 Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave .....1.47	1.47	
31 25 14 16-0020 Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber .....5.91 Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	5.91	
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber .....8.37 Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	8.37	
31 25 14 16-0023 Erosion Control Rolls <small>(31 25 14 16-0001)</small>		
31 25 14 16-0024 SY Erosion Control Rolls, Mirafi 140N .....1.49	1.49	
31 25 14 16-0025 SY Erosion Control Rolls, Amoco 4547 .....1.52	1.52	
31 25 14 23 Stabilization Measures For Erosion Control <small>(31 25 14)</small>		
Note: Includes all erosion control blankets and turf reinforcement mats staples or stakes. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
31 25 14 23-0001 Sand And Gravel Bags <small>(31 25 14 23)</small>		
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002 BAG 50 LB Capacity Nylon Or Poly Sand Bag With Sand .....5.57 For >2,500 To 5,000, Deduct For >5,000, Deduct	5.57 -0.44 -1.00	2.22
31 25 14 23-0003 BAG 50 LB Capacity Biodegradable Burlap Sand Bag With Sand .....5.84 For >2,500 To 5,000, Deduct For >5,000, Deduct	5.84 -0.44 -1.03	
31 25 14 23-0004 BAG 33 LB Capacity Nylon Or Poly Bag With 5/16" To 3/4" Gravel .....3.67 For >2,500 To 5,000, Deduct For >5,000, Deduct	3.67 -0.29 -0.66	
31 25 14 23-0005 Turbidity Curtain <small>(31 25 14 23)</small>		
Note: Type 2 curtain.		
31 25 14 23-0006 LF 3' High Turbidity Curtain .....17.63	17.63	
31 25 14 23-0007 LF 4' High Turbidity Curtain .....19.08	19.08	
31 25 14 23-0008 LF 5' High Turbidity Curtain .....21.06	21.06	
31 25 14 23-0009 LF 6' High Turbidity Curtain .....22.76	22.76	

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 25 14 23-0010	LF	7' High Turbidity Curtain.....	23.89	
	31 25 14 23-0011	LF	8' High Turbidity Curtain.....	25.02	
	31 25 14 23-0012	LF	9' High Turbidity Curtain.....	26.32	
	31 25 14 23-0013	LF	10' High Turbidity Curtain.....	28.10	
	31 25 14 23-0014	LF	12' High Turbidity Curtain.....	29.52	
	31 25 14 23-0015	LF	13' High Turbidity Curtain.....	31.42	
	31 25 14 23-0016	LF	14' High Turbidity Curtain.....	33.19	
	31 25 14 23-0017	LF	15' High Turbidity Curtain.....	34.92	
	31 25 14 23-0018	LF	16' High Turbidity Curtain.....	37.95	
	31 25 14 23-0019	LF	17' High Turbidity Curtain.....	39.79	
	31 25 14 23-0020	LF	18' High Turbidity Curtain.....	41.59	
	31 25 14 23-0021	LF	19' High Turbidity Curtain.....	43.50	
	31 25 14 23-0022	LF	20' High Turbidity Curtain.....	45.36	
	31 25 14 23-0023		Filter Bags <small>(31 25 14 23)</small>		
	31 25 14 23-0024		Non-Woven Filter Bags <small>(31 25 14 23-0023)</small>		
	31 25 14 23-0025	EA	6' x 15' Non-Woven Filter Bag.....	131.28	
	31 25 14 23-0026	EA	13' x 15' Non-Woven Filter Bag.....	189.25	
	31 25 14 23-0027	EA	15' x 15' Non-Woven Filter Bag.....	218.43	
	31 25 14 23-0028		Monofilament Filter Bags <small>(31 25 14 23-0023)</small>		
	31 25 14 23-0029	EA	5' x 15' Monofilament Filter Bag.....	136.24	
	31 25 14 23-0030	EA	10' x 15' Monofilament Filter Bag.....	187.80	
	31 25 14 23-0031		Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
			Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal reatment cable and fill. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor.		
	31 25 14 23-0032	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	30.76	
			For Gravel Fill, Add	0.69	
			For Up To 500, Add	7.05	
			For >500 To 1,000, Add	3.97	
	31 25 14 23-0033	SF	6" Open Cell Articulated Concrete Block With Earth Backfill.....	34.95	
			For Gravel Fill, Add	0.78	
			For Up To 500, Add	7.96	
			For >500 To 1,000, Add	4.47	
	31 25 14 23-0034	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	39.77	
			For Gravel Fill, Add	0.88	
			For Up To 500, Add	9.03	
			For >500 To 1,000, Add	5.05	
	31 25 14 23-0035	SF	9" Open Cell Articulated Concrete Block With Earth Backfill.....	44.77	
			For Gravel Fill, Add	0.99	
			For Up To 500, Add	10.15	
			For >500 To 1,000, Add	5.67	
	31 25 14 23-0036	SF	4.75" Closed Cell Articulated Concrete Block.....	32.70	
			For Up To 500, Add	7.43	
			For >500 To 1,000, Add	4.16	
	31 25 14 23-0037	SF	6" Closed Cell Articulated Concrete Block.....	37.27	
			For Up To 500, Add	8.43	
			For >500 To 1,000, Add	4.70	
	31 25 14 23-0038	SF	7.5" Closed Cell Articulated Concrete Block.....	42.52	
			For Up To 500, Add	9.58	
			For >500 To 1,000, Add	5.32	
	31 25 14 23-0039	SF	9" Closed Cell Articulated Concrete Block.....	47.91	
			For Up To 500, Add	10.77	
			For >500 To 1,000, Add	5.98	
	31 25 14 26		Stabilization Measures For Sedimentation Control <small>(31 25 14)</small>		
	31 25 14 26-0001		Silt Fences And Dike Barriers <small>(31 25 14 26)</small>		
			Note: Includes stakes and embedding.		
	31 25 14 26-0002		Silt Fences 2' High <small>(31 25 14 26-0001)</small>		
	31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center.....	2.25	
	31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center.....	1.73	
	31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center.....	1.22	
	31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center.....	1.04	
	31 25 14 26-0007		Silt Fences 3' High <small>(31 25 14 26-0001)</small>		
	31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center.....	2.15	
	31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center.....	1.78	
	31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center.....	1.15	
	31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center.....	1.08	
	31 25 14 26-0012		Silt Dike Barrier <small>(31 25 14 26-0001)</small>		
	31 25 14 26-0013	LF	Silt Dike Barrier With Stakes.....	2.42	



Earthwork	31	15
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0014 Silt Fences Removal <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015 LF Remove Silt Fence And Stakes	0.70	
31 25 14 26-0016 Hay And Straw Bales <small>(31 25 14 26)</small>		
Note: Includes trench for placement, and stakes.		
31 25 14 26-0017 LF Place Sterilized Straw Bales	3.97	
Note: Includes securing in ground with stakes.		
31 25 14 26-0018 LF Place Hay Bales	3.67	
Note: Includes securing in ground with stakes.		
31 25 14 26-0019 EA Place And Remove Hay Bales, Includes Securing In Ground With Stakes	11.01	
31 25 14 26-0020 LF Remove Hay Or Straw Bales	1.25	
Note: Includes removal of stakes.		
31 25 14 26-0021 Sediment Logs (Degradable) <small>(31 25 14 26)</small>		
31 25 14 26-0022 Sediment Logs (Degradable) <small>(31 25 14 26-0021)</small>		
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0023 LF 12" Sediment Log	6.59	
31 25 14 26-0024 LF 20" Sediment Log	7.66	
31 25 14 26-0025 Wattles (Degradable) <small>(31 25 14 26-0021)</small>		
Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0026 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	122.50	
31 25 14 26-0027 EA Wattles (Sterile Straw Filled Rolls), 12" x 20'	114.50	
31 25 14 26-0028 Inlet Protection Sediment Bags <small>(31 25 14 26)</small>		
Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0029 EA 2' x 2' x 3' Inlet Protection Sediment Bag	42.10	
31 25 14 26-0030 EA 2' x 3' x 3' Inlet Protection Sediment Bag	51.84	
31 25 14 26-0031 EA 2' x 4' x 3' Inlet Protection Sediment Bag	63.00	
31 25 14 26-0032 Clean Sediment Logs/Wattles <small>(31 25 14 26)</small>		
Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0033 EA Clean Sediment Logs/Wattles	70.10	
31 30 Earthwork Methods <small>(31)</small>		
31 31 Soil Treatment <small>(31 30)</small>		
31 31 16 Termite Control <small>(31 31)</small>		
31 31 16 13 Chemical Termite Control <small>(31 31 16)</small>		
31 31 16 13-0001 Commercial Use <small>(31 31 16 13)</small>		
31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.69	
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls	0.69	
31 31 16 13-0004 Residential Use <small>(31 31 16 13)</small>		
31 31 16 13-0005 SF Termite Pretreatment, Residential General Spraying Walls And Slab	0.68	
31 31 16 13-0006 SF Termite Treatment, Existing Residential Structure	0.95	
31 31 19 Vegetation Control <small>(31 31)</small>		
31 31 19 13 Chemical Vegetation Control <small>(31 31 19)</small>		
31 31 19 13-0001 Soil Sterilants <small>(31 31 19 13)</small>		
31 31 19 13-0002 MSF Soil Sterilant	18.78	
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
For >45 To 90, Deduct	-0.36	
For >90 To 225, Deduct	-1.66	
For >225, Deduct	-2.37	
31 32 Soil Stabilization <small>(31 30)</small>		
31 32 13 Soil Mixing Stabilization <small>(31 32)</small>		
31 32 13 16 Cement Soil Stabilization <small>(31 32 13)</small>		

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 13 16-0001	Soil Cement Course <small>(31 32 13 16)</small>	
	Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.	
31 32 13 16-0002	CY Compacted Soil Cement Course, Material mixed in Central Plant	47.86
31 32 13 16-0003	CY Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement.....	50.12
31 32 13 16-0004	LB Cement, Per Unit Of Measure.....	0.04
31 32 13 16-0005	LB Flake Calcium Chloride, Per Unit Of Measure	0.31
31 32 13 16-0006	EA Mobilize And Demobilize Traveling Pugmill	150.00

31 32 13 16-0007	Cementitious Soil Binder <small>(31 32 13 16)</small>	
31 32 13 16-0008	CY Cementitious Soil Binder, 4% Cement Mix By Volume	28.05
31 32 13 16-0009	CY Cementitious Soil Binder, 6% Cement Mix By Volume	32.32
31 32 13 16-0010	CY Cementitious Soil Binder, 9% Cement Mix By Volume	39.35
31 32 13 16-0011	CY Cementitious Soil Binder, 12% Cement Mix By Volume	46.27

31 32 13 19 Lime Soil Stabilization (31 32 13)
 Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 32 13 19-0001	Lime Slurry <small>(31 32 13 19)</small>	
31 32 13 19-0002	LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	24.87
31 32 13 19-0003	TON Cement Stabilized Base Material	87.64
31 32 13 19-0004	CWT Lime For Soil Stabilization.....	14.18
	Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY Roller, Grader - Lime Stabilization	12.27
31 32 13 19-0006	LCY Roller, Grader - Cement Stabilization.....	2.85

31 32 13 19-0007	Lime Stabilized Subgrade <small>(31 32 13 19)</small>	
	Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).	
31 32 13 19-0008	SY 6" Thick Lime Stabilized Subgrade, 25 LB	8.72
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.25
	<i>For 6% Lime Instead Of 5%, Add</i>	0.25
31 32 13 19-0009	SY 7" Thick Lime Stabilized Subgrade, 29 LB	10.10
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.29
	<i>For 6% Lime Instead Of 5%, Add</i>	0.29
31 32 13 19-0010	SY 8" Thick Lime Stabilized Subgrade, 33 LB	11.53
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.33
	<i>For 6% Lime Instead Of 5%, Add</i>	0.33
31 32 13 19-0011	SY 10" Thick Lime Stabilized Subgrade, 41 LB/SY	14.41
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.41
	<i>For 6% Lime Instead Of 5%, Add</i>	0.41
	<i>For > 5000 SY, Deduct</i>	-0.94
31 32 13 19-0012	SY 12" Thick Lime Stabilized Subgrade, 50 LB/SY	17.30
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.50
	<i>For 6% Lime Instead Of 5%, Add</i>	0.50
	<i>For > 5000 SY, Deduct</i>	-1.13
31 32 13 19-0013	SY 14" Thick Lime Stabilized Subgrade, 58 LB/SY	20.15
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.58
	<i>For 6% Lime Instead Of 5%, Add</i>	0.58
	<i>For > 5000 SY, Deduct</i>	-1.32
31 32 13 19-0014	SY 16" Thick Lime Stabilized Subgrade, 66 LB/SY	23.05
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.66
	<i>For 6% Lime Instead Of 5%, Add</i>	0.66
	<i>For > 5000 SY, Deduct</i>	-1.51
31 32 13 19-0015	SY 18" Thick Lime Stabilized Subgrade, 74 LB/SY	25.95
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.74
	<i>For 6% Lime Instead Of 5%, Add</i>	0.74
	<i>For > 5000 SY, Deduct</i>	-1.70

31 32 13 19-0016	Hydrated Lime Stabilized Subgrade <small>(31 32 13 19)</small>	
	Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.	
31 32 13 19-0017	CY Compacted Hydrated Lime Stabilized Subgrade	52.28
31 32 13 19-0018	LB Hydrated Lime.....	1.10

31 32 13 29	Liquid Soil Stabilization <small>(31 32 13)</small>	
31 32 13 29-0001	GAL Polyacrylamide And Calcium Solution.....	1.99

31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001	Geogrid Fabrics <small>(31 32 19 13)</small>	
	Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.	



Earthwork	31	15
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0002	SY	5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.23	
		For Up To 50, Add	0.53	
		For >50 To 150, Add	0.39	
		For >150 To 250, Add	0.25	
		For >250 To 500, Add	0.13	
31 32 19 13-0003	SY	6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.53	
		For Up To 50, Add	0.60	
		For >50 To 150, Add	0.44	
		For >150 To 250, Add	0.28	
		For >250 To 500, Add	0.14	
31 32 19 13-0004	SY	8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.76	
		For Up To 50, Add	0.65	
		For >50 To 150, Add	0.48	
		For >150 To 250, Add	0.31	
		For >250 To 500, Add	0.15	
31 32 19 13-0005	SY	12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	3.91	
		For Up To 50, Add	0.88	
		For >50 To 150, Add	0.65	
		For >150 To 250, Add	0.42	
		For >250 To 500, Add	0.21	
31 32 19 13-0006	SY	14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.47	
		For Up To 50, Add	1.00	
		For >50 To 150, Add	0.74	
		For >150 To 250, Add	0.48	
		For >250 To 500, Add	0.24	
31 32 19 13-0007	SY	4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.27	
		For Up To 50, Add	0.54	
		For >50 To 150, Add	0.40	
		For >150 To 250, Add	0.26	
		For >250 To 500, Add	0.13	
31 32 19 13-0008	SY	5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.28	
		For Up To 50, Add	0.75	
		For >50 To 150, Add	0.55	
		For >150 To 250, Add	0.36	
		For >250 To 500, Add	0.18	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.70	
		For Up To 50, Add	0.17	
		For >50 To 150, Add	0.13	
		For >150 To 250, Add	0.08	
		For >250 To 500, Add	0.04	
31 32 19 16-0003	SY	3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.75	
		For Up To 50, Add	0.18	
		For >50 To 150, Add	0.13	
		For >150 To 250, Add	0.09	
		For >250 To 500, Add	0.04	
31 32 19 16-0004	SY	4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.81	
		For Up To 50, Add	0.20	
		For >50 To 150, Add	0.14	
		For >150 To 250, Add	0.09	
		For >250 To 500, Add	0.05	
31 32 19 16-0005	SY	4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.87	
		For Up To 50, Add	0.21	
		For >50 To 150, Add	0.15	
		For >150 To 250, Add	0.10	
		For >250 To 500, Add	0.05	
31 32 19 16-0006	SY	6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.02	
		For Up To 50, Add	0.24	
		For >50 To 150, Add	0.18	
		For >150 To 250, Add	0.11	
		For >250 To 500, Add	0.06	
31 32 19 16-0007	SY	7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.20	
		For Up To 50, Add	0.28	
		For >50 To 150, Add	0.21	
		For >150 To 250, Add	0.13	
		For >250 To 500, Add	0.07	
31 32 19 16-0008	SY	8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.32	
		For Up To 50, Add	0.31	
		For >50 To 150, Add	0.23	
		For >150 To 250, Add	0.15	
		For >250 To 500, Add	0.07	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0009 SY 10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	1.61	
For Up To 50, Add	0.36	
For >50 To 150, Add	0.27	
For >150 To 250, Add	0.18	
For >250 To 500, Add	0.09	
31 32 19 16-0010 SY 16 Oz/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric	3.47	
For Up To 50, Add	0.74	
For >50 To 150, Add	0.55	
For >150 To 250, Add	0.36	
For >250 To 500, Add	0.18	
31 32 19 16-0011 Woven Geotextiles Fabric (31 32 19 16)		
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	0.99	
For Up To 50, Add	0.23	
For >50 To 150, Add	0.17	
For >150 To 250, Add	0.11	
For >250 To 500, Add	0.06	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.38	
For Up To 50, Add	0.31	
For >50 To 150, Add	0.23	
For >150 To 250, Add	0.15	
For >250 To 500, Add	0.07	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.41	
For Up To 50, Add	0.52	
For >50 To 150, Add	0.39	
For >150 To 250, Add	0.26	
For >250 To 500, Add	0.13	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.35	
For Up To 50, Add	0.51	
For >50 To 150, Add	0.38	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.06	
For Up To 50, Add	0.45	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.22	
For >250 To 500, Add	0.11	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.20	
For Up To 50, Add	0.48	
For >50 To 150, Add	0.36	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.12	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.79	
For Up To 50, Add	0.60	
For >50 To 150, Add	0.45	
For >150 To 250, Add	0.29	
For >250 To 500, Add	0.15	
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	3.96	
For Up To 50, Add	0.83	
For >50 To 150, Add	0.62	
For >150 To 250, Add	0.41	
For >250 To 500, Add	0.21	
31 32 19 16-0020 Geomembranes (31 32 19 16)		
31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0020)		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.79	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.93	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.10	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.32	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.49	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.62	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.76	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.94	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.12	
31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0020)		
31 32 19 16-0032 SF 20 Mil High Density Polyethylene Membrane (US Fabrics)	0.65	
31 32 19 16-0033 SF 30 Mil High Density Polyethylene Membrane (US Fabrics)	0.85	
31 32 19 16-0034 SF 40 Mil High Density Polyethylene Membrane (US Fabrics)	0.98	
31 32 19 16-0035 SF 50 Mil High Density Polyethylene Membrane (US Fabrics)	1.57	
31 32 19 16-0036 SF 60 Mil High Density Polyethylene Membrane (US Fabrics)	1.23	
31 32 19 16-0037 SF 80 Mil High Density Polyethylene Membrane (US Fabrics)	1.51	
31 32 19 16-0038 SF 100 Mil High Density Polyethylene Membrane (US Fabrics)	1.78	
31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics)	3.16	



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics)	3.27	
31 32 19 16-0041 Rock Slope Protection Fabric (Monterey County) (31 32 19 16)		
31 32 19 16-0042 SY Rock Slope Protection Fabric, Drainage Outlet (Monterey County).....	5.19	
31 32 19 26 Geoweb Cellular Confinement System (31 32 19)		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems)	4.29	
For >20,000, Deduct	-0.08	
For >2:1 Slope, Add	0.91	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems)	4.97	
For >20,000, Deduct	-0.11	
For >2:1 Slope, Add	0.91	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems)	5.78	
For >20,000, Deduct	-0.15	
For >2:1 Slope, Add	0.91	
31 32 36 Soil Nailing (31 32)		
31 32 36 00-0001 Landslide and Slip-Out Stabilization (31 32 36)		
Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.		
31 32 36 00-0002 Launched Soil Nails™ (31 32 36 00-0001)		
Note: Furnish Launched Soil Nails™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0003 EA Fiberglass SuperNail®.....	780.00	
Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0004 EA GalvaDized™ SuperNail®	620.00	
Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0005 EA Temporary Launched Soil Nail.....	520.00	
Note: bare steel tube up to 20 ft. length.		
31 32 36 00-0006 EA Fiberglass SuperDrain™.....	585.00	
Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 00-0007 EA GalvaDized™ SuperDrain™	550.00	
Note: perforated GalvaDized™ steel tube up to 20 ft. length.		
31 32 36 00-0008 Drilled SuperNails® (Permanently Cased Soil Nails) (31 32 36 00-0001)		
Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0009 EA Drilled GalvaDized™ SuperNail® up to 20 ft. length.....	650.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0010 EA Drilled GalvaDized™ SuperNail® up to 30 ft. length.....	975.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0011 EA Drilled GalvaDized™ SuperNail® up to 40 ft. length.....	1,235.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0012 EA Drilled GalvaDized™ SuperNail® up to 50 ft. length.....	1,495.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0013 EA Drilled GalvaDized™ SuperNail® up to 60 ft. length.....	1,755.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0014 EA Drilled GalvaDized™ SuperNail® up to 70 ft. length.....	2,015.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0015 EA Drilled GalvaDized™ SuperNail® up to 80 ft. length.....	2,275.00	
Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31	31	Earthwork
	31 30	Earthwork Methods
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0016	Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0001)</small>		
	<small>Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering "B7X" or Ischebeck "Titan" bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</small>		
31 32 36 00-0017	Self-Drilling SuperNails® <small>(31 32 36 00-00016)</small>		
31 32 36 00-0018	EA Self Drilling SuperNails® up to 20-ft.....	910.00	
31 32 36 00-0019	EA Self Drilling SuperNails® up to 30-ft.....	1,300.00	
31 32 36 00-0020	EA Self Drilling SuperNails® up to 40-ft.....	1,820.00	
31 32 36 00-0021	EA Self Drilling SuperNails® up to 50-ft.....	2,340.00	
31 32 36 00-0022	EA Self Drilling SuperNails® up to 60-ft.....	2,860.00	
31 32 36 00-0023	EA Self Drilling SuperNails® up to 70-ft.....	3,380.00	
31 32 36 00-0024	EA Self Drilling SuperNails® up to 80-ft.....	3,900.00	
31 32 36 00-0025	Self-Drilling SuperMicropiles™ <small>(31 32 36 00-00016)</small>		
31 32 36 00-0026	EA Self Drilling SuperNails® SuperMicropiles™ up to 20-ft.....	910.00	
31 32 36 00-0027	EA Self Drilling SuperNails® SuperMicropiles™ up to 30-ft.....	1,300.00	
31 32 36 00-0028	EA Self Drilling SuperNails® SuperMicropiles™ up to 40-ft.....	1,820.00	
31 32 36 00-0029	EA Self Drilling SuperNails® SuperMicropiles™ up to 50-ft.....	2,340.00	
31 32 36 00-0030	LF Micropile Cap - 12" thick shotcrete.....	130.00	
31 32 36 00-0031	Drilled / Launched SuperMicropiles™ <small>(31 32 36 00-00001)</small>		
	<small>Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</small>		
31 32 36 00-0032	EA SuperMicropiles™ up to 20 ft. length.....	695.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0033	EA SuperMicropiles™ up to 30 ft. length.....	1,020.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0034	EA SuperMicropiles™ up to 40 ft. length.....	1,280.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0035	EA SuperMicropiles™ up to 50 ft. length.....	1,540.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0036	Shotcrete or Gunitite <small>(31 32 36 00-00001)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0037 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0036)</small> Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal Shotcrete ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use		
31 32 36 00-0038 SFI Dry-Mix Reinforced Gunite.....		13.00
Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).		

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 32 36 00-0039	<p>Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0036)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight ½" 100 3/8" 90-100 No. 4 70-85 No. 8</p> <p>100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying with A</p>	
31 32 36 00-0040	<p>SFI Wet-Mix Reinforced Shotcrete .....6.50</p> <p>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>	
31 32 36 00-0041	<p>Shotcrete or Gunitite for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0036)</small></p>	
31 32 36 00-0042	<p>LF Shotcrete shoulder build-out .....260.00</p>	
31 32 36 00-0043	<p>SF Acid Stained Shotcrete (gun finished) shotcrete .....3.25</p>	
31 32 36 00-0044	<p>SF Sculpt and stain shotcrete .....22.50</p>	
31 32 36 00-0045	<p>Steel Mesh, Turf Reinforcement Matting and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0001)</small></p>	
31 32 36 00-0046	<p>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0045)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0047	<p>SF High Capacity Diamond Mesh .....19.50</p> <p>Note: sold per square face foot</p>	
31 32 36 00-0048	<p>SF Double Twist Wire Mesh .....10.00</p> <p>Note: sold per square face foot</p>	
31 32 36 00-0049	<p>Permanent Turf Reinforcing Mat (TRM) <small>(31 32 36 00-0045)</small></p> <p>Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.</p>	
31 32 36 00-0050	<p>SF Permanent Turf Reinforcement Mat .....1.30</p> <p>Note: sold per square face foot</p>	
31 32 36 00-0051	<p>Biodegradable Turf Reinforcing Mat (TRM) <small>(31 32 36 00-0045)</small></p> <p>Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.</p>	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0052 SF Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.35	
31 32 36 00-0053 Steel Plates (31 32 36 00-0045)		
31 32 36 00-0054 EA Galvanized Steel Plates.....	35.00	
31 32 36 00-0055 BioWall® (31 32 36 00-0001) Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0056 SF BioWall®.....	50.00	
31 32 36 00-0057 GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 00-0001) Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 –“Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing”) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of t		
31 32 36 00-0058 SF GeoSynthetically Confined Soil™ (GCS®) Wall Note: Installation sold per square face foot (excludes materials)	32.50	
31 32 36 00-0059 EA GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16").....	4.60	
31 32 36 00-0060 EA GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120").....	100.00	
31 32 36 00-0061 SF GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile.....	0.65	
31 32 36 00-0062 Launched SuperDrain™ (Horizontal Drains) (31 32 36 00-0001) Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0063 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 20 ft. length.....	650.00	
31 32 36 00-0064 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 30 ft. length.....	975.00	
31 32 36 00-0065 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 40 ft. length.....	1,300.00	
31 32 36 00-0066 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 50 ft. length.....	2,275.00	
31 32 36 00-0067 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 60 ft. length.....	2,730.00	
31 32 36 00-0068 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 70 ft. length.....	3,185.00	
31 32 36 00-0069 EA Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 80 ft. length.....	3,640.00	
31 32 36 00-0070 Mobilization / Demobilization (31 32 36 00-0001)		
31 32 36 00-0071 EA Mobilization (Out of State).....	15,600.00	
31 32 36 00-0072 EA Mobilization (In State).....	7,800.00	
31 32 36 00-0073 DAY Limited or Remote Access Surcharge.....	7,700.00	

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0074 Grouting (31 32 36 00-0001)

31 32 36 00-0075 Compaction Grouting (31 32 36 00-0074)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 00-0076	LF	Compaction Grouting Casing Installation.....	22.60
31 32 36 00-0077	CF	Compaction Grout Injection for Soils Densification	17.00
31 32 36 00-0078	CF	Compaction Grout For Void Fill.....	10.25

31 32 36 00-0079 Polyurethane Grouting (31 32 36 00-0074)

Note: A. The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi B. Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 00-0080	LBS	Polyurethane Grouting For Void Fill and Re-Leveling.....	9.35
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31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection.....	81.65
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection.....	98.73
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection.....	124.82
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection.....	145.21
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection.....	169.70
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection.....	234.10
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection.....	297.73

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	81.19
		<i>For Chinking Material, Add</i>	12.88
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	95.98
		<i>For Chinking Material, Add</i>	12.88



Earthwork	31	15
Earthwork Methods	31 30	
Riprap	31 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 37 00 00-0004 CY >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap <i>For Chinking Material, Add</i>	102.95 12.88	
31 37 00 00-0005 CY >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap <i>For Chinking Material, Add</i>	110.87 12.88	
31 37 00 00-0006 CY >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap <i>For Chinking Material, Add</i>	117.27 12.88	
31 37 00 00-0007 CY >600 LB Average Pieces Random, Dumped From Truck, Rip Rap	127.73	
31 37 00 00-0008 CY 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	136.60	
31 37 00 00-0009 TON 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	52.87	
31 37 00 00-0010 TON >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	62.26	
31 37 00 00-0011 TON >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	66.68	
31 37 00 00-0012 TON >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	71.72	
31 37 00 00-0013 TON >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	75.78	
31 37 00 00-0014 TON >600 LB Average Pieces Random, Dumped From Truck, Rip Rap	82.49	
31 37 00 00-0015 TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	90.28	

31 40 Shoring And Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003 SF Wood Shoring, 8' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	10.31 -1.03	
31 41 13 00-0004 SF Wood Shoring, 10' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	11.16 -1.19	
31 41 13 00-0005 SF Wood Shoring, 12' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	12.09 -1.37	
31 41 13 00-0006 SF Wood Shoring, 14' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	13.10 -1.58	
31 41 13 00-0007 SF Wood Shoring, 16' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	14.20 -1.80	
31 41 13 00-0008 SF Wood Shoring, 18' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	15.40 -2.05	
31 41 13 00-0009 SF Wood Shoring, 20' Deep Excavation, Pull And Salvage <i>For Wood Sheeting Left In Place</i>	16.69 -2.32	

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002 TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,614.49 850.86 1,214.84 90.99 101.10 313.42 50.55	
31 41 16 13-0003 TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,674.23 820.99 1,184.97 90.99 101.10 313.42 50.55	
31 41 16 13-0004 TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	1,952.00 682.11 1,046.08 90.99 101.10 313.42 50.55	
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage <i>For Standard Sheeting Left In Place, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i> <i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i> <i>For High Strength Sheeting 55,000 PSI Grade, Add</i> <i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i> <i>For Each Additional Month >3 Months, Add</i>	2,219.29 548.46 912.44 90.99 101.10 313.42 50.55	

31	Earthwork
31 40	Shoring And Underpinning
31 41	Shoring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,376.51	
For Standard Sheeting Left In Place, Add	469.85	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	833.83	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,536.89	
For Standard Sheeting Left In Place, Add	389.66	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	753.64	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 45 Vibroflotation And Densification (31 40)		
31 45 13 Vibroflotation (31 45)		
31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	10.44	
31 60 Special Foundations And Load-bearing Elements (31)		
31 62 Driven Piles (31 60)		
31 62 13 Concrete Piles (31 62)		
31 62 13 19 Precast Concrete Piles (31 62 13)		
31 62 13 19-0001 Tapered Friction Piles With Fluted Steel Casing Up To 50' (31 62 13 19)		
Note: With 4000 PSI concrete. Excludes reinforcing.		
31 62 13 19-0002 VLF 12" Diameter Tapered Friction Steel Pile, 7 Gauge	42.27	
For Piles Driven In Water, Add	14.60	
31 62 13 19-0003 VLF 14" Diameter Tapered Friction Steel Pile, 7 Gauge	43.49	
For Piles Driven In Water, Add	15.47	
31 62 13 19-0004 VLF 16" Diameter Tapered Friction Steel Pile, 7 Gauge	52.75	
For Piles Driven In Water, Add	17.25	
31 62 13 19-0005 VLF 18" Diameter Tapered Friction Steel Pile, 7 Gauge	60.67	
For Piles Driven In Water, Add	19.04	
31 62 13 19-0006 Constant Diameter Pile, End Bearing, With Fluted Steel Casing (31 62 13 19)		
Note: Up to 50'. Excludes reinforced.		
31 62 13 19-0007 VLF 12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	43.05	
For Piles Driven In Water, Add	14.68	
31 62 13 19-0008 VLF 14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	51.94	
For Piles Driven In Water, Add	16.32	
31 62 13 19-0009 VLF 16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	58.67	
For Piles Driven In Water, Add	17.85	
31 62 13 19-0010 VLF 18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	63.80	
For Piles Driven In Water, Add	19.35	
31 62 13 19-0011 Thin Wall Shell Straight Sided (31 62 13 19)		
31 62 13 19-0012 VLF 8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	25.93	
For Piles Driven In Water, Add	11.35	
For Thick Wall Shell, Add	0.04	
31 62 13 19-0013 VLF 10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	28.63	
For Piles Driven In Water, Add	12.59	
For Thick Wall Shell, Add	0.04	
31 62 13 19-0014 VLF 12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	31.32	
For Piles Driven In Water, Add	13.83	
For Thick Wall Shell, Add	0.05	
31 62 13 19-0015 VLF 14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	34.02	
For Piles Driven In Water, Add	15.08	
For Thick Wall Shell, Add	0.05	
31 62 13 19-0016 VLF 16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided	36.73	
For Piles Driven In Water, Add	16.32	
For Thick Wall Shell, Add	0.06	
31 62 13 23 Prestressed Concrete Piles (31 62 13)		
31 62 13 23-0001 Square Piles (31 62 13 23)		
31 62 13 23-0002 VLF 10" Prestressed Square Concrete Pile.....	21.48	
For Piles Driven In Water, Add	11.04	
31 62 13 23-0003 VLF 12" Prestressed Square Concrete Pile.....	26.76	
For Piles Driven In Water, Add	12.41	
31 62 13 23-0004 VLF 14" Prestressed Square Concrete Pile.....	32.25	
For Piles Driven In Water, Add	13.60	
31 62 13 23-0005 VLF 16" Prestressed Square Concrete Pile.....	39.29	
For Piles Driven In Water, Add	15.05	



Earthwork	31	15
Special Foundations And Load-bearing Elements	31 60	
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0006 VLF 18" Prestressed Square Concrete Pile..... <i>For Piles Driven In Water, Add</i>	47.49 16.73	
31 62 13 23-0007 VLF 20" Prestressed Square Concrete Pile..... <i>For Piles Driven In Water, Add</i>	54.81 18.45	
31 62 13 23-0008 VLF 24" Prestressed Square Concrete Pile..... <i>For Piles Driven In Water, Add</i>	69.59 21.12	
31 62 13 23-0009 Octagonal Pile <small>(31 62 13 23)</small>		
31 62 13 23-0010 VLF 12" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	35.03 12.66	
31 62 13 23-0011 VLF 14" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	43.96 14.13	
31 62 13 23-0012 VLF 16" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	52.96 15.67	
31 62 13 23-0013 VLF 18" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	64.15 17.54	
31 62 13 23-0014 VLF 20" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	116.89 23.67	
31 62 13 23-0015 VLF 24" Prestressed Octagonal Concrete Pile..... <i>For Piles Driven In Water, Add</i>	72.42 20.21	
31 62 13 23-0016 Straight Cylinder <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	26.39 11.29	
31 62 13 23-0018 VLF 14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	30.78 12.23	
31 62 13 23-0019 VLF 16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	35.98 13.33	
31 62 13 23-0020 VLF 18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	40.43 14.42	
31 62 13 23-0021 VLF 20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	49.96 16.12	
31 62 13 23-0022 VLF 24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	60.96 18.08	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Steel H-Section Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	40.10 13.74	
31 62 16 16-0003 VLF 10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	45.52 14.76	
31 62 16 16-0004 VLF 10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	57.72 15.98	
31 62 16 16-0005 VLF 12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	54.82 16.00	
31 62 16 16-0006 VLF 12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	62.95 16.82	
31 62 16 16-0007 VLF 12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	72.88 18.68	
31 62 16 16-0008 VLF 12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	81.01 19.50	
31 62 16 16-0009 VLF 14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	72.37 18.91	
31 62 16 16-0010 VLF 14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	86.20 20.29	
31 62 16 16-0011 VLF 14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	97.05 22.35	
31 62 16 16-0012 VLF 14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	110.07 23.65	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles <small>(31 62 16 16)</small>		
31 62 16 16-0014 EA 8" H-Section Pile Splice Rolled Steel.....	304.56	
31 62 16 16-0015 EA 10" H-Section Pile Splice Rolled Steel.....	362.36	
31 62 16 16-0016 EA 12" H-Section Pile Splice Rolled Steel.....	479.85	
31 62 16 16-0017 EA 14" H-Section Pile Splice Rolled Steel.....	508.75	
31 62 16 16-0018 EA 8" H-Section Driving Cap Rolled Steel.....	4,718.26	
31 62 16 16-0019 EA 10" H-Section Driving Cap Rolled Steel.....	4,718.26	
31 62 16 16-0020 EA 12" H-Section Driving Cap Rolled Steel.....	4,764.76	
31 62 16 16-0021 EA 14" H-Section Driving Cap Rolled Steel.....	7,221.13	
31 62 16 16-0022 EA 8" H-Section Standard Point Standard, Rolled Steel.....	333.46	
31 62 16 16-0023 EA 10" H-Section Standard Point Standard, Rolled Steel.....	362.36	
31 62 16 16-0024 EA 12" H-Section Standard Point Standard, Rolled Steel.....	479.85	
31 62 16 16-0025 EA 14" H-Section Standard Point Standard, Rolled Steel.....	566.55	
31 62 16 16-0026 EA 10" H-Section Standard Point Heavy Duty, Rolled Steel.....	479.85	
31 62 16 16-0027 EA 14" H-Section Standard Point Heavy Duty, Rolled Steel.....	622.52	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)**31 62 16 19-0001 Pipe Piles, Non-Filled** (31 62 16 19)

31 62 16 19-0002	VLF	8" Diameter Non-Filled Steel Pipe Piles	27.37
		<i>For Piles Driven In Water, Add</i>	15.19
31 62 16 19-0003	VLF	10" Diameter Non-Filled Steel Pipe Piles	30.76
		<i>For Piles Driven In Water, Add</i>	15.53
31 62 16 19-0004	VLF	12" Diameter Non-Filled Steel Pipe Piles	35.47
		<i>For Piles Driven In Water, Add</i>	16.66
31 62 16 19-0005	VLF	14" Diameter Non-Filled Steel Pipe Piles	38.50
		<i>For Piles Driven In Water, Add</i>	18.33
31 62 16 19-0006	VLF	16" Diameter Non-Filled Steel Pipe Piles	42.86
		<i>For Piles Driven In Water, Add</i>	20.46
31 62 16 19-0007	VLF	18" Diameter Non-Filled Steel Pipe Piles	51.82
		<i>For Piles Driven In Water, Add</i>	22.72

31 62 16 19-0008 Splices And Points For Pipe Pile (31 62 16 19)**31 62 16 19-0009 Splice** (31 62 16 19-0008)

31 62 16 19-0010	EA	8" Diameter Pipe Pile Splice Steel	199.94
31 62 16 19-0011	EA	10" Diameter Pipe Pile Splice Steel	210.90
31 62 16 19-0012	EA	12" Diameter Pipe Pile Splice Steel	278.05
31 62 16 19-0013	EA	14" Diameter Pipe Pile Splice Steel	288.86
31 62 16 19-0014	EA	16" Diameter Pipe Pile Splice Steel	343.50
31 62 16 19-0015	EA	18" Diameter Pipe Pile Splice Steel	409.11

31 62 16 19-0016 Standard Point (31 62 16 19-0008)

31 62 16 19-0017	EA	8" Diameter Steel Pipe Pile Standard Point	205.93
31 62 16 19-0018	EA	10" Diameter Steel Pipe Pile Standard Point	214.71
31 62 16 19-0019	EA	12" Diameter Steel Pipe Pile Standard Point	241.65
31 62 16 19-0020	EA	14" Diameter Steel Pipe Pile Standard Point	265.79
31 62 16 19-0021	EA	16" Diameter Steel Pipe Pile Standard Point	287.74
31 62 16 19-0022	EA	18" Diameter Steel Pipe Pile Standard Point	333.32

31 62 16 19-0023 Heavy Duty Point (31 62 16 19-0008)

31 62 16 19-0024	EA	10" Diameter Steel Pipe Pile Point Heavy Duty	305.13
31 62 16 19-0025	EA	12" Diameter Steel Pipe Pile Point Heavy Duty	316.10
31 62 16 19-0026	EA	14" Diameter Steel Pipe Pile Point Heavy Duty	352.37
31 62 16 19-0027	EA	16" Diameter Steel Pipe Pile Point Heavy Duty	396.27
31 62 16 19-0028	EA	18" Diameter Steel Pipe Pile Point Heavy Duty	440.28

31 62 19 Timber Piles (31 62)**31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB** (31 62 19)

Note: Penta-treated/CF.

31 62 19 00-0002	LF	12" Butt x 8" Tip Treated Wood Piles Up To 30'	16.43
		<i>For Piles Driven In Water, Add</i>	10.29
		<i>For Untreated Pile, Deduct</i>	-2.52
		<i>For Each Pile Tip Point, Add</i>	12.50
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
		<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0003	LF	12" Butt x 8" Tip Treated Wood Piles 30' To 39'	17.71
		<i>For Piles Driven In Water, Add</i>	11.50
		<i>For Untreated Pile, Deduct</i>	-2.55
		<i>For Each Pile Tip Point, Add</i>	12.50
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
		<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0004	LF	12" Butt x 7" Tip Treated Wood Pile 40' To 49'	18.74
		<i>For Piles Driven In Water, Add</i>	12.25
		<i>For Untreated Pile, Deduct</i>	-2.67
		<i>For Each Pile Tip Point, Add</i>	12.50
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
		<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0005	LF	13" Butt x 7" Tip Treated Wood Pile 50' To 59'	20.50
		<i>For Piles Driven In Water, Add</i>	13.72
		<i>For Untreated Pile, Deduct</i>	-2.79
		<i>For Each Pile Tip Point, Add</i>	12.50
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
		<i>For Each Splice For Pile >50', Add</i>	139.40
31 62 19 00-0006	LF	13" Butt x 6" Tip Wood Pile 60' To 69'	24.49
		<i>For Piles Driven In Water, Add</i>	15.42
		<i>For Untreated Pile, Deduct</i>	-3.73
		<i>For Each Pile Tip Point, Add</i>	12.50
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10
		<i>For Each Splice For Pile >50', Add</i>	139.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0007 LF 13" Butt x 6" Tip Wood Pile 70' To 79'	30.19	
<i>For Piles Driven In Water, Add</i>	18.59	
<i>For Untreated Pile, Deduct</i>	-4.77	
<i>For Each Pile Tip Point, Add</i>	12.50	
<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 23 Composite Piles (31 62)		
31 62 23 13 Concrete-Filled Steel Piles (31 62 23)		
31 62 23 13-0001 Concrete Filled Pipe Piles (31 62 23 13)		
Note: All material included in cost.		
31 62 23 13-0002 VLF 8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	30.15	
<i>For Piles Driven In Water, Add</i>	16.55	
31 62 23 13-0003 VLF 10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	34.79	
<i>For Piles Driven In Water, Add</i>	17.31	
31 62 23 13-0004 VLF 12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	41.15	
<i>For Piles Driven In Water, Add</i>	19.12	
31 62 23 13-0005 VLF 14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	46.16	
<i>For Piles Driven In Water, Add</i>	22.16	
31 62 23 13-0006 VLF 16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	51.18	
<i>For Piles Driven In Water, Add</i>	23.70	
31 62 23 13-0007 VLF 18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	61.85	
<i>For Piles Driven In Water, Add</i>	26.27	
31 63 Bored Piles (31 60)		
31 63 36 Drilled Steel Piles (31 63)		
31 63 36 00-0001 Drill Hole (31 63 36)		
Note: Excludes removal of excess material.		
31 63 36 00-0002 Mobilization (31 63 36 00-0001)		
31 63 36 00-0003 EA Drilling Mobilization, >12" To 24" Diameter Hole	662.82	
31 63 36 00-0004 EA Drilling Mobilization, >24" Diameter Hole	883.77	
31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)		
31 63 36 00-0006 LF 18" Hole Drilled/Auger Up To 24' Depth	38.82	
31 63 36 00-0007 LF 20" Hole Drilled/Auger Up To 24' Depth	45.14	
31 63 36 00-0008 LF 22" Hole Drilled/Auger Up To 24' Depth	53.04	
31 63 36 00-0009 LF 24" Hole Drilled/Auger Up To 24' Depth	62.51	
31 63 36 00-0010 LF 26" Hole Drilled/Auger Up To 24' Depth	67.57	
31 63 36 00-0011 LF 28" Hole Drilled/Auger Up To 24' Depth	74.34	
31 63 36 00-0012 LF 30" Hole Drilled/Auger Up To 24' Depth	81.42	
31 63 36 00-0013 Steel H-Section Piles (31 63 36)		
31 63 36 00-0014 Steel H-Section Piles Placed In Drilled Hole (31 63 36 00-0013)		
Note: Includes guides, bracing and alignment.		
31 63 36 00-0015 VLF 8 x 8 x 36 LB/FT Steel H-Section Pile Rolled Steel	38.94	
<i>For >2,400 To 3,600, Deduct</i>	-1.21	
<i>For >3,600 To 4,800, Deduct</i>	-2.43	
<i>For >4,800 To 6,000, Deduct</i>	-4.38	
<i>For >6,000, Deduct</i>	-6.32	
31 63 36 00-0016 VLF 10 x 10 x 42 LB/FT Steel H-Section Pile Rolled Steel	44.31	
<i>For >2,400 To 3,600, Deduct</i>	-1.36	
<i>For >3,600 To 4,800, Deduct</i>	-2.72	
<i>For >4,800 To 6,000, Deduct</i>	-4.94	
<i>For >6,000, Deduct</i>	-7.15	
31 63 36 00-0017 VLF 10 x 10 x 57 LB/FT Steel H-Section Pile Rolled Steel	56.51	
<i>For >2,400 To 3,600, Deduct</i>	-1.67	
<i>For >3,600 To 4,800, Deduct</i>	-3.33	
<i>For >4,800 To 6,000, Deduct</i>	-6.16	
<i>For >6,000, Deduct</i>	-8.98	
31 63 36 00-0018 VLF 12 x 12 x 53 LB/FT Steel H-Section Pile Rolled Steel	53.56	
<i>For >2,400 To 3,600, Deduct</i>	-1.60	
<i>For >3,600 To 4,800, Deduct</i>	-3.20	
<i>For >4,800 To 6,000, Deduct</i>	-5.88	
<i>For >6,000, Deduct</i>	-8.56	
31 63 36 00-0019 VLF 12 x 12 x 63 LB/FT Steel H-Section Pile Rolled Steel	61.69	
<i>For >2,400 To 3,600, Deduct</i>	-1.80	
<i>For >3,600 To 4,800, Deduct</i>	-3.61	
<i>For >4,800 To 6,000, Deduct</i>	-6.69	
<i>For >6,000, Deduct</i>	-9.78	
31 63 36 00-0020 VLF 12 x 12 x 74 LB/FT Steel H-Section Pile Rolled Steel	71.52	
<i>For >2,400 To 3,600, Deduct</i>	-2.07	
<i>For >3,600 To 4,800, Deduct</i>	-4.14	
<i>For >4,800 To 6,000, Deduct</i>	-7.72	
<i>For >6,000, Deduct</i>	-11.29	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0021 VLF 12 x 12 x 84 LB/FT Steel H-Section Pile Rolled Steel.....	79.65	
For >2,400 To 3,600, Deduct	-2.27	
For >3,600 To 4,800, Deduct	-4.55	
For >4,800 To 6,000, Deduct	-8.53	
For >6,000, Deduct	-12.51	
31 63 36 00-0022 VLF 14 x 14 x 73 LB/FT Steel H-Section Pile Rolled Steel.....	70.97	
For >2,400 To 3,600, Deduct	-2.06	
For >3,600 To 4,800, Deduct	-4.13	
For >4,800 To 6,000, Deduct	-7.68	
For >6,000, Deduct	-11.22	
31 63 36 00-0023 VLF 14 x 14 x 89 LB/FT Steel H-Section Pile Rolled Steel.....	84.80	
For >2,400 To 3,600, Deduct	-2.41	
For >3,600 To 4,800, Deduct	-4.82	
For >4,800 To 6,000, Deduct	-9.06	
For >6,000, Deduct	-13.30	
31 63 36 00-0024 VLF 14 x 14 x 102 LB/FT Steel H-Section Pile Rolled Steel.....	95.54	
For >2,400 To 3,600, Deduct	-2.70	
For >3,600 To 4,800, Deduct	-5.40	
For >4,800 To 6,000, Deduct	-10.18	
For >6,000, Deduct	-14.96	
31 63 36 00-0025 VLF 14 x 14 x 117 LB/FT Steel H-Section Pile Rolled Steel.....	108.56	
For >2,400 To 3,600, Deduct	-3.03	
For >3,600 To 4,800, Deduct	-6.06	
For >4,800 To 6,000, Deduct	-11.48	
For >6,000, Deduct	-16.91	
31 63 36 00-0026 Welded Steel Stud Pins <small>(31 63 36 00-0013)</small>		
Note: Includes welding to steel piles.		
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Stud Pins.....	10.50	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.99	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Stud Pins.....	11.39	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-2.06	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Stud Pins.....	12.25	
For >50 To 150, Deduct	-0.48	
For >150 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.58	
For >500, Deduct	-2.12	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Stud Pins.....	11.51	
For >50 To 150, Deduct	-0.51	
For >150 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-2.13	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Stud Pins.....	12.86	
For >50 To 150, Deduct	-0.51	
For >150 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-2.23	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Stud Pins.....	13.81	
For >50 To 150, Deduct	-0.51	
For >150 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.30	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Stud Pins.....	12.73	
For >50 To 150, Deduct	-0.53	
For >150 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.69	
For >500, Deduct	-2.27	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Stud Pins.....	14.93	
For >50 To 150, Deduct	-0.53	
For >150 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.80	
For >500, Deduct	-2.44	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Stud Pins.....	16.00	
For >50 To 150, Deduct	-0.53	
For >150 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.52	
31 63 36 00-0036 Concrete Fill <small>(31 63 36)</small>		
See CSI section 03 31 13 00-0088 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	32.72	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	36.36	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	39.99	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	43.63	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	47.25	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	50.90	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	59.96	



Earthwork	31	31
Special Foundations And Load-bearing Elements	31 60	
Bored Piles	31 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 63	Bored Piles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal From Paving ^(32 01 11)

32 01 11 53-0001

Remove Pavement Markings ^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF	Remove 4" Wide Painted Or Epoxy Pavement Striping.....	1.50
		<i>For Up To 250, Add</i>	<i>0.75</i>
		<i>For >250 To 1,000, Add</i>	<i>0.38</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.23</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.38</i>
		<i>For >25,000 To 50,000, Deduct</i>	<i>-0.53</i>
		<i>For >50,000, Deduct</i>	<i>-0.60</i>
32 01 11 53-0003	LF	Remove 6" Wide Painted Or Epoxy Pavement Striping.....	1.81
		<i>For Up To 250, Add</i>	<i>0.91</i>
		<i>For >250 To 1,000, Add</i>	<i>0.45</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.27</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.45</i>
		<i>For >25,000 To 50,000, Deduct</i>	<i>-0.63</i>
		<i>For >50,000, Deduct</i>	<i>-0.72</i>
32 01 11 53-0004	LF	Remove 8" Wide Painted Or Epoxy Pavement Striping.....	2.17
		<i>For Up To 250, Add</i>	<i>1.09</i>
		<i>For >250 To 1,000, Add</i>	<i>0.54</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.33</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.54</i>
		<i>For >25,000 To 50,000, Deduct</i>	<i>-0.76</i>
		<i>For >50,000, Deduct</i>	<i>-0.87</i>
32 01 11 53-0005	LF	Remove 12" Wide Painted Or Epoxy Pavement Striping.....	2.60
		<i>For Up To 250, Add</i>	<i>1.30</i>
		<i>For >250 To 1,000, Add</i>	<i>0.65</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.39</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.65</i>
		<i>For >25,000 To 50,000, Deduct</i>	<i>-0.91</i>
		<i>For >50,000, Deduct</i>	<i>-1.04</i>
32 01 11 53-0006	SF	Remove Painted Or Epoxy Pavement Marking, Letters Or Symbols.....	2.60
		<i>For Up To 250, Add</i>	<i>1.30</i>
		<i>For >250 To 1,000, Add</i>	<i>0.65</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.39</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.65</i>
		<i>For >25,000 To 50,000, Deduct</i>	<i>-0.91</i>
		<i>For >50,000, Deduct</i>	<i>-1.04</i>

32 01 11 53-0007 **Remove Pavement Markings (Monterey County) ^(32 01 11 53)**

32 01 11 53-0008	LF	Remove Thermoplastic Pavement Stripe.....	1.19
32 01 11 53-0009	SF	Remove Thermoplastic Pavement Marking.....	4.85

32 01 16 Flexible Paving Rehabilitation ^(32 01)

32 01 16 71 Cold Milling Asphalt Pavement ^(32 01 16)

32 01 16 71-0001 **Removal Of Asphalt Surface Course ^(32 01 16 71)**

Note: Includes direct loading into truck.

32 01 16 71-0002 **Production Cold Milling Of Roads And Parking Areas ^(32 01 16 71-0001)**

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt.....	3.11
		<i>For Up To 2,500, Add</i>	<i>2.33</i>
		<i>For >2,500 To 5,000, Add</i>	<i>0.78</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.31</i>
		<i>For >25,000, Deduct</i>	<i>-0.47</i>
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt.....	4.15
		<i>For Up To 2,500, Add</i>	<i>3.11</i>
		<i>For >2,500 To 5,000, Add</i>	<i>1.04</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.42</i>
		<i>For >25,000, Deduct</i>	<i>-0.62</i>
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt.....	5.52
		<i>For Up To 2,500, Add</i>	<i>4.14</i>
		<i>For >2,500 To 5,000, Add</i>	<i>1.38</i>
		<i>For >10,000 To 25,000, Deduct</i>	<i>-0.55</i>
		<i>For >25,000, Deduct</i>	<i>-0.83</i>

32 01 16 71-0006 **Limited Production Cold Milling ^(32 01 16 71-0001)**

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 Exterior Improvements
32 01 Operation And Maintenance Of Exterior Improvements
32 01 16 Flexible Paving Rehabilitation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0007 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	19.67	
For >100 To 1,000, Deduct	-9.84	
For >1,000, Deduct	-14.75	
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	26.05	
For >100 To 1,000, Deduct	-13.03	
For >1,000, Deduct	-19.54	
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	34.70	
For >100 To 1,000, Deduct	-17.35	
For >1,000, Deduct	-26.03	
32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)		
Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	5.46	
32 01 16 72 Asphalt Paving Reuse (32 01 16)		
32 01 16 72-0001 Reclamation, Pulverize And Blending With Existing (32 01 16 72)		
Note: Includes direct loading into truck.		
32 01 16 72-0002 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.60	
32 01 16 72-0003 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.30	
32 01 16 72-0004 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.65	
32 01 16 72-0005 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.51	
32 01 16 72-0006 SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.89	
32 01 16 72-0007 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	11.56	
32 01 16 72-0008 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.79	
32 01 16 72-0009 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.73	
32 01 16 72-0010 SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	12.72	
32 01 16 72-0011 SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.36	
32 01 16 72-0012 SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.18	
32 01 16 72-0013 SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.93	
32 01 16 72-0014 SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	13.88	
32 01 16 72-0015 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.94	
32 01 16 72-0016 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.47	
32 01 16 72-0017 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.24	
32 01 16 72-0018 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,192.62	
32 01 16 72-0019 Rejuvenate, Respread Asphalt Pavement (32 01 16 72)		
Note: Includes direct loading into truck.		
32 01 16 72-0020 SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep.....	8.86	
32 01 16 72-0021 SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	10.70	
32 01 16 72-0022 TON Remove, Rejuvenate, Respread Asphalt Grindings.....	136.27	
32 01 16 73 In Place Cold Reused Asphalt Paving (32 01 16)		
32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) (32 01 16 73)		
Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.34	
For >12" To 18" Depth, Add	1.12	
32 01 16 73-0003 SF >30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.11	
For >12" To 18" Depth, Add	1.05	
32 01 16 73-0004 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.59	
For >12" To 18" Depth, Add	0.89	
32 01 16 73-0005 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	2.20	
For >12" To 18" Depth, Add	0.78	
32 01 16 73-0006 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	1.96	
For >12" To 18" Depth, Add	0.70	
32 01 16 73-0007 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	1.80	
For >12" To 18" Depth, Add	0.66	
32 01 16 73-0008 SF >500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	1.69	
For >12" To 18" Depth, Add	0.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) <small>(32 01 16 73)</small>		
<i>Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.</i>		
32 01 16 73-0010 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.59	
<i>For >12" To 18" Depth, Add</i>	1.24	
32 01 16 73-0011 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.84	
<i>For >12" To 18" Depth, Add</i>	1.02	
32 01 16 73-0012 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.45	
<i>For >12" To 18" Depth, Add</i>	0.90	
32 01 16 73-0013 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.21	
<i>For >12" To 18" Depth, Add</i>	0.83	
32 01 16 73-0014 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.05	
<i>For >12" To 18" Depth, Add</i>	0.78	
32 01 16 73-0015 SF >500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	1.94	
<i>For >12" To 18" Depth, Add</i>	0.75	
32 01 16 73-0016 Supplemental Aggregate <small>(32 01 16 73)</small>		
32 01 16 73-0017 TON Supplemental Aggregate	58.17	
32 01 16 73-0018 Cold-In-Place Recycling (CALTRAN) <small>(32 01 16 73)</small>		
32 01 16 73-0019 TON Sand Cover (CIPR).....	58.00	
<i>For >500 To 1,000, Deduct</i>	-1.45	
<i>For >1,000 To 2,500, Deduct</i>	-2.90	
<i>For >2,500 To 5,000, Deduct</i>	-4.06	
<i>For >5,000, Deduct</i>	-5.22	
32 01 16 73-0020 SY Cold In Place Recycling (CIPR)	6.50	
<i>For >10,000 To 25,000, Deduct</i>	-0.65	
<i>For >25,000, Deduct</i>	-0.98	
32 01 16 73-0021 TON Cement (CIPR)	135.00	
<i>For >500 To 1,000, Deduct</i>	-3.38	
<i>For >1,000 To 2,500, Deduct</i>	-6.75	
<i>For >2,500 To 5,000, Deduct</i>	-9.45	
<i>For >5,000, Deduct</i>	-12.15	
32 01 16 73-0022 TON Emulsified Recycling Agent (CIPR).....	610.00	
<i>For >500 To 1,000, Deduct</i>	-15.25	
<i>For >1,000 To 2,500, Deduct</i>	-30.50	
<i>For >2,500 To 5,000, Deduct</i>	-42.70	
<i>For >5,000, Deduct</i>	-54.90	
32 01 16 73-0023 TON Asphaltic Emulsion (CIPR).....	610.00	
<i>For >500 To 1,000, Deduct</i>	-15.25	
<i>For >1,000 To 2,500, Deduct</i>	-30.50	
<i>For >2,500 To 5,000, Deduct</i>	-42.70	
<i>For >5,000, Deduct</i>	-54.90	
32 01 17 Flexible Paving Repair <small>(32 01)</small>		
<i>See CSI section 32 12 16 00-0000 for large area resurfacing.</i>		
32 01 17 61 Sealing Cracks In Asphalt Paving <small>(32 01 17)</small>		
<i>Note: Includes removing loose materials and cleaning.</i>		
32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair <small>(32 01 17 61)</small>		
<i>Note: Includes sweeping and cleaning of area.</i>		
32 01 17 61-0002 LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.13	
<i>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</i>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.30	
<i>For 1" x 1/2" Fill, Add</i>	0.56	
<i>For Backer Rod, Add</i>	0.67	
32 01 17 61-0003 LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.93	
<i>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</i>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.25	
<i>For 1" x 1/2" Fill, Add</i>	0.47	
<i>For Backer Rod, Add</i>	0.62	
32 01 17 61-0004 LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.74	
<i>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</i>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.20	
<i>For 1" x 1/2" Fill, Add</i>	0.38	
<i>For Backer Rod, Add</i>	0.56	
32 01 17 61-0005 LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.63	
<i>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</i>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.18	
<i>For 1" x 1/2" Fill, Add</i>	0.33	
<i>For Backer Rod, Add</i>	0.53	
32 01 17 61-0006 LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.56	
<i>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</i>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.15	
<i>For 1" x 1/2" Fill, Add</i>	0.29	
<i>For Backer Rod, Add</i>	0.50	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0007 LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....0.53 Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.15	
For 1" x 1/2" Fill, Add	0.28	
For Backer Rod, Add	0.49	
32 01 17 61-0008 LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....2.29		
For 3/8" x 1/4" Fill, Add	0.48	
For 1/2" x 1/4" Fill, Add	0.87	
For 1/2" x 1/2" Fill, Add	1.96	
32 01 17 61-0009 LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.84		
For 3/8" x 1/4" Fill, Add	0.40	
For 1/2" x 1/4" Fill, Add	0.72	
For 1/2" x 1/2" Fill, Add	1.62	
32 01 17 61-0010 LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.41		
For 3/8" x 1/4" Fill, Add	0.31	
For 1/2" x 1/4" Fill, Add	0.56	
For 1/2" x 1/2" Fill, Add	1.29	
32 01 17 61-0011 LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.24		
For 3/8" x 1/4" Fill, Add	0.27	
For 1/2" x 1/4" Fill, Add	0.50	
For 1/2" x 1/2" Fill, Add	1.15	
32 01 17 61-0012 LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.13		
For 3/8" x 1/4" Fill, Add	0.25	
For 1/2" x 1/4" Fill, Add	0.45	
For 1/2" x 1/2" Fill, Add	1.02	
32 01 17 61-0013 LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.04		
For 3/8" x 1/4" Fill, Add	0.23	
For 1/2" x 1/4" Fill, Add	0.41	
For 1/2" x 1/2" Fill, Add	0.94	
32 01 17 61-0014 LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....0.41		
32 01 17 61-0015 LNMI Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile .....2,707.22 Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		

32 01 17 63 Pavement Repair (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)**

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 01 17 63-0002 EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....1,367.29		
32 01 17 63-0003 TON Temporary Pot Hole Repairs With Cold Mix Modified .....415.97 Note: Use for each ton over 3 tons.		
32 01 17 63-0004 EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....1,297.70		
32 01 17 63-0005 TON Temporary Pot Hole Repairs With Cold Mix.....392.78 Note: Use for each ton over 3 tons.		
32 01 17 63-0006 EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....1,262.91		
32 01 17 63-0007 TON Temporary Pot Hole Repairs With Hot Mix Modified .....381.18 Note: Use for each ton over 3 tons.		
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....1,228.12		
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix .....369.58 Note: Use for each ton over 3 tons.		

32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....1,372.89		
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix .....446.98 Note: Use for each ton over 3 tons.		
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....1,338.10		
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified.....435.38 Note: Use for each ton over 3 tons.		
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....1,303.31		
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix .....423.78 Note: Use for each ton over 3 tons.		

32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0046 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons .....1,817.72 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified.....253.18 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons .....1,748.13 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,748.13	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix .....229.99 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	229.99	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....1,713.34 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,713.34	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified .....218.39 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	218.39	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons .....1,678.55 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,678.55	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix .....206.79 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	206.79	
32 01 17 63-0026 Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....17.46	17.46	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>		
32 01 26 71 Grooving Of Concrete Paving <small>(32 01 26)</small>		
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0002 SY Pavement Grooving, Concrete, Longitudinal .....0.89	0.89	
32 01 26 71-0003 SY Pavement Grooving, Concrete, Transverse.....0.67	0.67	
32 01 26 71-0004 Rumble Strips <small>(32 01 26 71)</small>		
32 01 26 71-0005 LF Safe-Strips Shoulder Rumble Strips, Asphalt .....0.28	0.28	
32 01 26 71-0006 LF Safe-Strips Shoulder Rumble Strips, Concrete.....0.69	0.69	
32 01 26 71-0007 Boat Ramps Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0008 SY Concrete Grooving, Boat Ramps .....1.43	1.43	
32 01 90 Operation And Maintenance Of Planting <small>(32 01)</small>		
<small>Note: These tasks are to be used as requested by the owner to maintain existing conditions.</small>		
32 01 90 13 Fertilizing <small>(32 01 90)</small>		
32 01 90 13-0001 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular) .....12.10	12.10	
32 01 90 13-0002 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....8.76	8.76	
32 01 90 13-0003 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....9.60	9.60	
32 01 90 13-0004 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....7.85	7.85	
32 01 90 19 Mowing <small>(32 01 90)</small>		
32 01 90 19-0001 ACR Vegetation Cutting By Bush Hog.....135.86 Note: Includes normal debris removal, cutting, and trimming. <i>For <1 Acre, Add</i>	135.86	33.97
32 01 90 23 Pruning <small>(32 01 90)</small>		

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 90 23-0001	Tree Pruning <small>(32 01 90 23)</small>	
	Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.	
32 01 90 23-0002	EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper	25.01
	For Crown Thinning, Tree Pruning, Add	5.63
	For Crown Raising, Pruning, Add	8.75
	For Crown Reduction, Tree Pruning, Add	11.25
	For Crown Restoration, Pruning, Add	16.67
32 01 90 23-0003	EA Tree Pruning (Crown Cleaning), 2" Caliper	28.58
	For Crown Thinning, Tree Pruning, Add	6.43
	For Crown Raising, Pruning, Add	10.00
	For Crown Reduction, Tree Pruning, Add	12.86
	For Crown Restoration, Pruning, Add	19.05
32 01 90 23-0004	EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper	32.16
	For Crown Thinning, Tree Pruning, Add	7.24
	For Crown Raising, Pruning, Add	11.26
	For Crown Reduction, Tree Pruning, Add	14.47
	For Crown Restoration, Pruning, Add	21.44
32 01 90 23-0005	EA Tree Pruning (Crown Cleaning), 3" Caliper	35.72
	For Crown Thinning, Tree Pruning, Add	8.04
	For Crown Raising, Pruning, Add	12.50
	For Crown Reduction, Tree Pruning, Add	16.07
	For Crown Restoration, Pruning, Add	23.81
32 01 90 23-0006	EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	54.29
	For Crown Thinning, Tree Pruning, Add	12.22
	For Crown Raising, Pruning, Add	19.00
	For Crown Reduction, Tree Pruning, Add	24.43
	For Crown Restoration, Pruning, Add	36.20
32 01 90 23-0007	EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment	87.92
	For Crown Thinning, Tree Pruning, Add	19.78
	For Crown Raising, Pruning, Add	30.77
	For Crown Reduction, Tree Pruning, Add	39.56
	For Crown Restoration, Pruning, Add	58.62
32 01 90 23-0008	EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	95.01
	For Crown Thinning, Tree Pruning, Add	21.38
	For Crown Raising, Pruning, Add	33.25
	For Crown Reduction, Tree Pruning, Add	42.75
	For Crown Restoration, Pruning, Add	63.34
32 01 90 23-0009	EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment	167.45
	For Crown Thinning, Tree Pruning, Add	37.68
	For Crown Raising, Pruning, Add	58.61
	For Crown Reduction, Tree Pruning, Add	75.35
	For Crown Restoration, Pruning, Add	111.64
32 01 90 23-0010	EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand	152.15
	For Crown Thinning, Tree Pruning, Add	34.23
	For Crown Raising, Pruning, Add	53.25
	For Crown Reduction, Tree Pruning, Add	68.47
	For Crown Restoration, Pruning, Add	101.44
32 01 90 23-0011	EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment	267.86
	For Crown Thinning, Tree Pruning, Add	60.27
	For Crown Raising, Pruning, Add	93.75
	For Crown Reduction, Tree Pruning, Add	120.54
	For Crown Restoration, Pruning, Add	178.58
32 01 90 23-0012	EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand	175.81
	For Crown Thinning, Tree Pruning, Add	39.56
	For Crown Raising, Pruning, Add	61.53
	For Crown Reduction, Tree Pruning, Add	79.11
	For Crown Restoration, Pruning, Add	117.21
32 01 90 23-0013	EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment	309.76
	For Crown Thinning, Tree Pruning, Add	69.70
	For Crown Raising, Pruning, Add	108.42
	For Crown Reduction, Tree Pruning, Add	139.39
	For Crown Restoration, Pruning, Add	206.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand	204.37	
<i>For Crown Thinning, Tree Pruning, Add</i>	45.98	
<i>For Crown Raising, Pruning, Add</i>	71.53	
<i>For Crown Reduction, Tree Pruning, Add</i>	91.97	
<i>For Crown Restoration, Pruning, Add</i>	136.25	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment	359.99	
<i>For Crown Thinning, Tree Pruning, Add</i>	81.00	
<i>For Crown Raising, Pruning, Add</i>	126.00	
<i>For Crown Reduction, Tree Pruning, Add</i>	162.00	
<i>For Crown Restoration, Pruning, Add</i>	240.01	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand	248.77	
<i>For Crown Thinning, Tree Pruning, Add</i>	55.97	
<i>For Crown Raising, Pruning, Add</i>	87.07	
<i>For Crown Reduction, Tree Pruning, Add</i>	111.95	
<i>For Crown Restoration, Pruning, Add</i>	165.85	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment	435.42	
<i>For Crown Thinning, Tree Pruning, Add</i>	97.97	
<i>For Crown Raising, Pruning, Add</i>	152.40	
<i>For Crown Reduction, Tree Pruning, Add</i>	195.94	
<i>For Crown Restoration, Pruning, Add</i>	290.29	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand	309.03	
<i>For Crown Thinning, Tree Pruning, Add</i>	69.53	
<i>For Crown Raising, Pruning, Add</i>	108.16	
<i>For Crown Reduction, Tree Pruning, Add</i>	139.06	
<i>For Crown Restoration, Pruning, Add</i>	206.03	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment	548.76	
<i>For Crown Thinning, Tree Pruning, Add</i>	123.47	
<i>For Crown Raising, Pruning, Add</i>	192.07	
<i>For Crown Reduction, Tree Pruning, Add</i>	246.94	
<i>For Crown Restoration, Pruning, Add</i>	365.86	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand	423.27	
<i>For Crown Thinning, Tree Pruning, Add</i>	95.24	
<i>For Crown Raising, Pruning, Add</i>	148.14	
<i>For Crown Reduction, Tree Pruning, Add</i>	190.47	
<i>For Crown Restoration, Pruning, Add</i>	282.19	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment	743.74	
<i>For Crown Thinning, Tree Pruning, Add</i>	167.34	
<i>For Crown Raising, Pruning, Add</i>	260.31	
<i>For Crown Reduction, Tree Pruning, Add</i>	334.68	
<i>For Crown Restoration, Pruning, Add</i>	495.85	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand	671.50	
<i>For Crown Thinning, Tree Pruning, Add</i>	151.09	
<i>For Crown Raising, Pruning, Add</i>	235.03	
<i>For Crown Reduction, Tree Pruning, Add</i>	302.18	
<i>For Crown Restoration, Pruning, Add</i>	447.69	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment	1,196.07	
<i>For Crown Thinning, Tree Pruning, Add</i>	269.12	
<i>For Crown Raising, Pruning, Add</i>	418.62	
<i>For Crown Reduction, Tree Pruning, Add</i>	538.23	
<i>For Crown Restoration, Pruning, Add</i>	797.42	
32 01 90 23-0024 EA Trim Mexican Palm Tree	75.75	
32 01 90 23-0025 EA Trim Date Palm Tree	170.93	
32 01 90 23-0026 LF Skin Palm Tree	19.43	
32 01 90 23-0027 Shrub Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed	81.42	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height	2.86	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height	6.43	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'	11.43	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground	28.58	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work	71.45	
32 01 90 23-0034 Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	14.29	
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree	17.86	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree	21.43	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree	28.58	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree	42.87	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree	53.59	
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree	75.02	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree	85.74	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree	100.03	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree	125.03	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree	153.61	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree	178.62	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree	214.35	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 90 26 Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	27.39
32 01 90 26-0003	CSF	Watering Groundcover	4.44
32 01 90 26-0004	CSF	Watering Annuals And Perennials	8.16
32 01 90 26-0005	EA	Watering Trees, 1" To 5" Diameter By Hand.....	8.22
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	10.99
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	13.89
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	16.47
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	7.20

32 01 90 36 Weed And Brush Control (32 01 90)**32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied** (32 01 90 36)

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	6.39
		For >45 To 90, Deduct	-0.34
		For >90 To 225, Deduct	-0.98
		For >225 To 870, Deduct	-1.62
		For >870, Deduct	-1.96
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	6.72
		For >45 To 90, Deduct	-0.37
		For >90 To 225, Deduct	-1.05
		For >225 To 870, Deduct	-1.72
		For >870, Deduct	-2.09
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	6.70
		Note: Includes pre and post emergent.	
		For >45 To 90, Deduct	-0.37
		For >90 To 225, Deduct	-1.04
		For >225 To 870, Deduct	-1.71
		For >870, Deduct	-2.08
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	6.90
		Note: Includes pre and post emergents.	
		For >45 To 90, Deduct	-0.39
		For >90 To 225, Deduct	-1.08
		For >225 To 870, Deduct	-1.77
		For >870, Deduct	-2.16

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF	Pesticide - Surface Eating.....	9.14
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating.....	9.18
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	9.95

32 01 90 43 Weed And Cultivate Beds (32 01 90)

32 01 90 43-0001	MSF	Weed Mulched Bed.....	35.04
32 01 90 43-0002	MSF	Weed Unmulched Bed	100.13
32 01 90 43-0003	MSF	Cultivate Bed.....	53.91

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	4.62
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	6.93
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	10.50
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide.....	10.70

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA	Plant Growth Regulator Application	5.21
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32 10 Bases, Ballasts, And Paving (32)**32 11 Base Courses** (32 10)**32 11 16 Subbase Courses** (32 11)**32 11 16 16 Aggregate Subbase Courses** (32 11 16)**32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas** (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course	76.86
		For Limestone, Deduct	-6.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0004 CY Class II Base Course	60.67	
32 11 16 16-0005 CY Class III Base Course	61.58	
32 11 16 16-0006 CY Recycled Base Course	41.39	
32 11 16 16-0007 Class II Base Courses By The SY (32 11 16 16-0001)		
32 11 16 16-0008 SY 2" Class II Crushed Aggregate Base Course	4.29	
<i>For Limestone, Deduct</i>	-0.39	
<i>For Up To 500, Add</i>	1.07	
<i>For >500 To 1,000, Add</i>	0.43	
<i>For >5,000 To 10,000, Deduct</i>	-0.16	
<i>For >10,000, Deduct</i>	-0.28	
32 11 16 16-0009 SY 4" Class II Crushed Aggregate Base Course	7.87	
<i>For Limestone, Deduct</i>	-0.65	
<i>For Up To 500, Add</i>	2.00	
<i>For >500 To 1,000, Add</i>	0.79	
<i>For >5,000 To 10,000, Deduct</i>	-0.30	
<i>For >10,000, Deduct</i>	-0.51	
32 11 16 16-0010 SY 6" Class II Crushed Aggregate Base Course	12.51	
<i>For Limestone, Deduct</i>	-1.10	
<i>For Up To 500, Add</i>	3.15	
<i>For >500 To 1,000, Add</i>	1.25	
<i>For >5,000 To 10,000, Deduct</i>	-0.48	
<i>For >10,000, Deduct</i>	-0.81	
32 11 16 16-0011 SY 9" Class II Crushed Aggregate Base Course	18.06	
<i>For Limestone, Deduct</i>	-1.53	
<i>For Up To 500, Add</i>	4.58	
<i>For >500 To 1,000, Add</i>	1.81	
<i>For >5,000 To 10,000, Deduct</i>	-0.69	
<i>For >10,000, Deduct</i>	-1.17	
32 11 16 16-0012 SY 12" Class II Crushed Aggregate Base Course	25.56	
<i>For Limestone, Deduct</i>	-2.31	
<i>For Up To 500, Add</i>	6.40	
<i>For >500 To 1,000, Add</i>	2.56	
<i>For >5,000 To 10,000, Deduct</i>	-0.97	
<i>For >10,000, Deduct</i>	-1.66	
32 11 23 Aggregate Base Courses (32 11)		
32 11 23 16 Aggregate Base Courses (32 11 23)		
32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)		
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 11 23 16-0002 SF 2" Crushed Aggregate Base Course	0.64	
<i>For Up To 1,000, Add</i>	0.17	
<i>For >1,000 To 2,500, Add</i>	0.06	
32 11 23 16-0003 SF 3" Crushed Aggregate Base Course	0.88	
<i>For Up To 1,000, Add</i>	0.24	
<i>For >1,000 To 2,500, Add</i>	0.09	
32 11 23 16-0004 SF 4" Crushed Aggregate Base Course	1.12	
<i>For Up To 1,000, Add</i>	0.30	
<i>For >1,000 To 2,500, Add</i>	0.11	
32 11 23 16-0005 SF 5" Crushed Aggregate Base Course	1.46	
<i>For Up To 1,000, Add</i>	0.40	
<i>For >1,000 To 2,500, Add</i>	0.15	
32 11 23 16-0006 SF 6" Crushed Aggregate Base Course	1.80	
<i>For Up To 1,000, Add</i>	0.49	
<i>For >1,000 To 2,500, Add</i>	0.18	
32 11 23 16-0007 SF 7" Crushed Aggregate Base Course	2.08	
<i>For Up To 1,000, Add</i>	0.56	
<i>For >1,000 To 2,500, Add</i>	0.21	
32 11 23 16-0008 SF 8" Crushed Aggregate Base Course	2.34	
<i>For Up To 1,000, Add</i>	0.63	
<i>For >1,000 To 2,500, Add</i>	0.23	
32 11 26 Asphaltic Base Courses (32 11)		
32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)		
32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)		
32 11 26 19-0002 CY Bituminous Stabilized Base Course	92.84	
Note: 3/4" ASTM C33.		
32 12 Flexible Paving (32 10)		
32 12 13 Preparatory Coats (32 12)		
32 12 13 13 Tack Coats (32 12 13)		
32 12 13 13-0001 TON Tack Coat (Monterey County)	949.97	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 12 Flexible Paving



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY.....	1.01
		<i>For Up To 150, Add</i>	0.22
		<i>For >150 To 300, Add</i>	0.10
		<i>For >300 To 500, Add</i>	0.05
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.07
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY.....	1.07
		<i>For Up To 150, Add</i>	0.24
		<i>For >150 To 300, Add</i>	0.11
		<i>For >300 To 500, Add</i>	0.05
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.07
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY.....	1.12
		<i>For Up To 150, Add</i>	0.25
		<i>For >150 To 300, Add</i>	0.11
		<i>For >300 To 500, Add</i>	0.06
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.08

32 12 16 Asphalt Paving (32 12)

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CY.....	127.52
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	
		<i>For PG64-10 Asphalt, Add</i>	15.98
		<i>For >500 To 1,000, Deduct</i>	-5.67
		<i>For >1,000 To 2,500, Deduct</i>	-10.28
		<i>For >2,500 To 5,000, Deduct</i>	-15.95
		<i>For >5,000, Deduct</i>	-22.86
32 12 16 13-0003	SY	1" Thick Binder Course	7.36
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	0.88
		<i>For >10,000 To 20,000, Deduct</i>	-0.32
		<i>For >20,000 To 50,000, Deduct</i>	-0.59
		<i>For >50,000 To 100,000, Deduct</i>	-0.91
		<i>For >100,000, Deduct</i>	-1.31
32 12 16 13-0004	SY	1-1/2" Thick Binder Course	10.90
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	1.32
		<i>For >7,000 To 14,000, Deduct</i>	-0.48
		<i>For >14,000 To 32,000, Deduct</i>	-0.88
		<i>For >32,000 To 64,000, Deduct</i>	-1.36
		<i>For >64,000, Deduct</i>	-1.95
32 12 16 13-0005	SY	2" Thick Binder Course	14.39
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	1.76
		<i>For >5,000 To 10,000, Deduct</i>	-0.64
		<i>For >10,000 To 24,000, Deduct</i>	-1.16
		<i>For >24,000 To 48,000, Deduct</i>	-1.80
		<i>For >48,000, Deduct</i>	-2.58
32 12 16 13-0006	SY	2-1/2" Thick Binder Course	17.54
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	2.19
		<i>For >4,000 To 8,000, Deduct</i>	-0.79
		<i>For >8,000 To 20,000, Deduct</i>	-1.43
		<i>For >20,000 To 40,000, Deduct</i>	-2.22
		<i>For >40,000, Deduct</i>	-3.19
32 12 16 13-0007	SY	3" Thick Binder Course	20.69
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	2.63
		<i>For >3,000 To 6,000, Deduct</i>	-0.94
		<i>For >6,000 To 16,000, Deduct</i>	-1.71
		<i>For >16,000 To 32,000, Deduct</i>	-2.65
		<i>For >32,000, Deduct</i>	-3.79
32 12 16 13-0008	SY	3-1/2" Thick Binder Course	24.11
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	3.07
		<i>For >2,800 To 5,600, Deduct</i>	-1.10
		<i>For >5,600 To 14,000, Deduct</i>	-1.99
		<i>For >14,000 To 28,000, Deduct</i>	-3.09
		<i>For >28,000, Deduct</i>	-4.42
32 12 16 13-0009	SY	4" Thick Binder Course	27.59
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	3.51
		<i>For >2,500 To 5,000, Deduct</i>	-1.25
		<i>For >5,000 To 12,000, Deduct</i>	-2.27
		<i>For >12,000 To 24,000, Deduct</i>	-3.53
		<i>For >24,000, Deduct</i>	-5.06



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Flexible Paving	32 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0010	SY		5" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	34.45	
			<i>For PG64-10 Asphalt, Add</i>	4.39	
			<i>For >2,000 To 3,900, Deduct</i>	-1.57	
			<i>For >3,900 To 10,000, Deduct</i>	-2.84	
			<i>For >10,000 To 20,000, Deduct</i>	-4.41	
			<i>For >20,000, Deduct</i>	-6.32	
32 12 16 13-0011	SY		6" Thick Binder Course Note: Includes placement, rolling, finishing and sweeping.	41.40	
			<i>For PG64-10 Asphalt, Add</i>	5.27	
			<i>For >1,600 To 3,200, Deduct</i>	-1.88	
			<i>For >3,200 To 8,000, Deduct</i>	-3.41	
			<i>For >8,000 To 16,000, Deduct</i>	-5.29	
			<i>For >16,000, Deduct</i>	-7.59	
32 12 16 13-0012			Surface Courses, Hot Mix Asphalt (HMA) (32 12 16 13)		
			Note: Meets Caltrans requirements.		
32 12 16 13-0013	TON		Bituminous Hot Mix Surface Course 3954 LB/CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	127.88	
			<i>For PG64-10 Asphalt, Add</i>	2.54	
			<i>For >500 To 1,000, Deduct</i>	-5.51	
			<i>For >1,000 To 2,500, Deduct</i>	-10.01	
			<i>For >2,500 To 5,000, Deduct</i>	-15.53	
			<i>For >5,000, Deduct</i>	-22.27	
32 12 16 13-0014	TON		Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	141.40	
			<i>For Warm Mix Additive, Add</i>	7.20	
32 12 16 13-0015	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	151.57	
			<i>For Warm Mix Additive, Add</i>	7.87	
32 12 16 13-0016	SY		1" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	7.23	
			<i>For PG64-10 Asphalt, Add</i>	0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.30	
			<i>For >20,000 To 50,000, Deduct</i>	-0.56	
			<i>For >50,000 To 100,000, Deduct</i>	-0.86	
			<i>For >100,000, Deduct</i>	-1.24	
32 12 16 13-0017	SY		1-1/2" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	10.64	
			<i>For PG64-10 Asphalt, Add</i>	0.20	
			<i>For >7,000 To 14,000, Deduct</i>	-0.45	
			<i>For >14,000 To 32,000, Deduct</i>	-0.83	
			<i>For >32,000 To 64,000, Deduct</i>	-1.28	
			<i>For >64,000, Deduct</i>	-1.84	
32 12 16 13-0018	SY		2" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	14.02	
			<i>For PG64-10 Asphalt, Add</i>	0.27	
			<i>For >5,000 To 10,000, Deduct</i>	-0.60	
			<i>For >10,000 To 24,000, Deduct</i>	-1.09	
			<i>For >24,000 To 48,000, Deduct</i>	-1.69	
			<i>For >48,000, Deduct</i>	-2.43	
32 12 16 13-0019	SY		2-1/2" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	16.96	
			<i>For PG64-10 Asphalt, Add</i>	0.33	
			<i>For >4,000 To 8,000, Deduct</i>	-0.74	
			<i>For >8,000 To 20,000, Deduct</i>	-1.34	
			<i>For >20,000 To 40,000, Deduct</i>	-2.08	
			<i>For >40,000, Deduct</i>	-2.99	
32 12 16 13-0020	SY		3" Thick Surface Course Note: Includes placement, rolling, finishing and sweeping.	19.92	
			<i>For PG64-10 Asphalt, Add</i>	0.40	
			<i>For >3,000 To 6,000, Deduct</i>	-0.88	
			<i>For >6,000 To 16,000, Deduct</i>	-1.60	
			<i>For >16,000 To 32,000, Deduct</i>	-2.47	
			<i>For >32,000, Deduct</i>	-3.55	
32 12 16 13-0021	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	50.95	
32 12 16 13-0022			Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0023	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	278.17	
32 12 16 19			Cold-Mix Asphalt Paving (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	11.21	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	10.96	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	18.53	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 16 39 Fabrics (32 12 16)

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.81	
		<i>For Up To 50, Add</i>	0.20	
		<i>For >50 To 150, Add</i>	0.14	
		<i>For >150 To 250, Add</i>	0.09	
		<i>For >250 To 500, Add</i>	0.05	
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.87	
		<i>For Up To 50, Add</i>	0.21	
		<i>For >50 To 150, Add</i>	0.15	
		<i>For >150 To 250, Add</i>	0.10	
		<i>For >250 To 500, Add</i>	0.05	

32 12 16 43 Waterproofing Membranes (32 12 16)

32 12 16 43-0001		Waterproofing Membranes (32 12 16 43)		
32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	29.02	
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	21.95	
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	13.94	

32 12 33 Flexible Paving Surface Treatments (32 12)

32 12 33 00-0001		Bituminous Surface Treatment For Roadways (32 12 33)		
		Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.61	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.62	
32 12 33 00-0004		Bituminous Surface Treatment For Trails (32 12 33)		
		Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.86	

32 12 36 Seal Coats (32 12)

32 12 36 00-0001		Asphalt Seal Coating, For Roads And Parking Lot (32 12 36)		
		Note: Includes sweeping and cleaning of area.		
32 12 36 00-0002	SY	Asphalt Seal Coating Minimum	367.17	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
32 12 36 00-0003	SY	Type O Asphalt Seal Coating, No Aggregate	1.03	
32 12 36 00-0004	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating	4.22	
		Note: 1/8" thick.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0005	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating	3.24	
		Note: 1/8" thick.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0006	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating	2.53	
		Note: 1/8" thick.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0007	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating	2.03	
		Note: 1/8" thick.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0008	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating	1.61	
		Note: 1/8" thick.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0009	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating	1.26	
		Note: 1/8" thick.		
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0010	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating	5.16	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.37	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	
32 12 36 00-0011	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating	4.07	
		Note: 1/4" thick, 14 to 18 Lbs/SY.		
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.32	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51	
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0012 SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	3.12 0.25 0.44 0.51 0.65	
32 12 36 00-0013 SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	2.48 0.21 0.44 0.51 0.65	
32 12 36 00-0014 SY >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	2.06 0.18 0.44 0.51 0.65	
32 12 36 00-0015 SY >50,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	1.78 0.16 0.44 0.51 0.65	
32 12 36 00-0016 SY Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	5.93 0.43 0.44 0.51 0.65	
32 12 36 00-0017 SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	4.81 0.37 0.44 0.51 0.65	
32 12 36 00-0018 SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	3.62 0.30 0.44 0.51 0.65	
32 12 36 00-0019 SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	2.88 0.25 0.44 0.51 0.65	
32 12 36 00-0020 SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	2.40 0.21 0.44 0.51 0.65	
32 12 36 00-0021 SY >50,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Latex Modified Asphalt Emulsion, Add</i> <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	1.96 0.17 0.44 0.51 0.65	
32 12 36 00-0022 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	4.80	
32 12 36 00-0023 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	3.93	
32 12 36 00-0024 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	3.02	
32 12 36 00-0025 SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	2.44	
32 12 36 00-0026 SY >20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	2.03	
32 12 36 00-0027 SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	5.45	
32 12 36 00-0028 SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	4.58	
32 12 36 00-0029 SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	3.57	
32 12 36 00-0030 SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	2.94	
32 12 36 00-0031 SY >20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	2.48	
32 12 36 00-0032 Water Based Emulsion Sealer <small>(32 12 36)</small> Note: Includes sweeping and cleaning of area.		
32 12 36 00-0033 SY Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat..... <i>For Additional Coats, Add</i>	3.52 1.95	
32 12 36 00-0034 SY >500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat..... <i>For Additional Coats, Add</i>	2.83 1.56	
32 12 36 00-0035 SY >1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat..... <i>For Additional Coats, Add</i>	2.14 1.17	
32 12 36 00-0036 Sand Sealer <small>(32 12 36)</small> Note: To be added to Slurry Seal.		
32 12 36 00-0037 SY Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion.....	2.41	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0038 SY >200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion.....	1.86	
32 12 36 00-0039 SY >500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion.....	1.67	
32 12 36 00-0040 SY >1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion.....	1.31	
32 12 36 00-0041 SY >4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion.....	1.20	
32 12 36 00-0042 SY >7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion.....	1.13	
32 12 36 00-0043 SY >16,700 SY Sand Seal Spray Applied Asphalt Emulsion.....	1.05	
32 12 36 00-0044 Asphalt Emulsion Sealers (Chip Seal) <small>(32 12 36)</small>		
32 12 36 00-0045 Fine Screenings Seal Coat <small>(32 12 36 00-0044)</small>		
Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0046 SY Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.94	
32 12 36 00-0047 SY >200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.33	
32 12 36 00-0048 SY >500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.12	
32 12 36 00-0049 SY >1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.74	
32 12 36 00-0050 SY >4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.61	
32 12 36 00-0051 SY >7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.53	
32 12 36 00-0052 SY >16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.43	
32 12 36 00-0053 Medium Fine Screenings Seal Coat <small>(32 12 36 00-0044)</small>		
Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0054 SY Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.31	
32 12 36 00-0055 SY >200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.65	
32 12 36 00-0056 SY >500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.43	
32 12 36 00-0057 SY >1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.04	
32 12 36 00-0058 SY >4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.90	
32 12 36 00-0059 SY >7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.81	
32 12 36 00-0060 SY >16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.70	
32 12 36 00-0061 Medium Screenings Seal Coat <small>(32 12 36 00-0044)</small>		
Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0062 SY Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.42	
32 12 36 00-0063 SY >200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.75	
32 12 36 00-0064 SY >500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.53	
32 12 36 00-0065 SY >1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.14	
32 12 36 00-0066 SY >4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.99	
32 12 36 00-0067 SY >7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.90	
32 12 36 00-0068 SY >16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.79	
32 12 36 00-0069 Course Screenings Seal Coat <small>(32 12 36 00-0044)</small>		
Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0070 SY Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.49	
32 12 36 00-0071 SY >200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.81	
32 12 36 00-0072 SY >500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.58	
32 12 36 00-0073 SY >1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.18	
32 12 36 00-0074 SY >4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.03	
32 12 36 00-0075 SY >7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.94	
32 12 36 00-0076 SY >16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.83	
32 12 36 00-0077 Double Screenings Seal Coat <small>(32 12 36 00-0044)</small>		
Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0078 SY Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	5.44	
32 12 36 00-0079 SY >200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.41	
32 12 36 00-0080 SY >500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.06	
32 12 36 00-0081 SY >1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.46	
32 12 36 00-0082 SY >4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.26	
32 12 36 00-0083 SY >7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.10	
32 12 36 00-0084 SY >16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.94	
32 12 36 00-0085 Seal Coat With Sand And Latex <small>(32 12 36)</small>		
32 12 36 00-0086 SY Up To 250 SY Seal Coat With Sand And Latex Added (One Coat).....	4.34	
32 12 36 00-0087 SY >250 To 500 SY Seal Coat With Sand And Latex Added (One Coat).....	3.58	
32 12 36 00-0088 SY >500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat).....	2.85	
32 12 36 00-0089 SY >1,000 To 2,500 SY Seal Coat With Sand And Latex Added (One Coat).....	2.10	
32 12 36 00-0090 SY >2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.65	
32 12 36 00-0091 SY >5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.50	
32 12 36 00-0092 SY >10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.35	
32 12 36 00-0093 SY >20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.19	
32 12 36 00-0094 SY >40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.04	
32 12 36 00-0095 Asphalt Rubber Aggregate Membrane <small>(32 12 36)</small>		
Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0096 SY Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane.....	5.95	
32 12 36 00-0097 SY >200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	4.85	
32 12 36 00-0098 SY >500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	4.48	
32 12 36 00-0099 SY >1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	3.86	
32 12 36 00-0100 SY >4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	3.64	
32 12 36 00-0101 SY >7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.47	
32 12 36 00-0102 SY >16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.29	
32 12 36 00-0103 Asphalt Emulsion, Fog Seal (Monterey County) (32 12 36)		
32 12 36 00-0104 TON Asphaltic Emulsion, Fog Seal (Monterey County).....	899.98	
32 12 43 Porous Flexible Paving (32 12)		
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	23.01	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	8.20	
For >100 To 500, Add	2.13	
For >1,000 To 5,000, Deduct	-0.98	
For >5,000, Deduct	-1.86	
32 12 73 Asphalt Paving Joint Sealants (32 12)		
32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.14	
32 13 Rigid Paving (32 10)		
32 13 13 Concrete Paving (32 13)		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
32 13 13 33 Plain Concrete Paving (32 13 13)		
32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)		
Note: Includes forms, wire mesh (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.		
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)		
32 13 13 33-0003 SY 4" 4,500 PSI Concrete Paving Assembly	41.20	
For 2,500 PSI Concrete, Deduct	-2.21	
For 3,000 PSI Concrete, Deduct	-1.44	
For 3,500 PSI Concrete, Deduct	-1.15	
For 4,000 PSI Concrete, Deduct	-0.50	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.49	
For <10' Wide Pass, Add	7.42	
For >24' Wide Pass, Deduct	-8.24	
For Air Entrainment, Add	0.96	
For Accelerator Admixtures, Add	1.15	
For Slipforming, Deduct	-4.12	
For Up To 100, Add	17.05	
For >100 To 250, Add	9.48	
For >250 To 500, Add	4.74	
For >1,000 To 2,000, Deduct	-0.96	
For >2,000 To 5,000, Deduct	-1.99	
For >5,000 To 10,000, Deduct	-3.02	
For >10,000 To 20,000, Deduct	-4.05	
For >20,000, Deduct	-5.08	
32 13 13 33-0004 SY 5" 4,500 PSI Concrete Paving Assembly	48.53	
For 2,500 PSI Concrete, Deduct	-2.77	
For 3,000 PSI Concrete, Deduct	-1.81	
For 3,500 PSI Concrete, Deduct	-1.44	
For 4,000 PSI Concrete, Deduct	-0.63	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.13	
For <10' Wide Pass, Add	8.52	
For >24' Wide Pass, Deduct	-9.71	
For Air Entrainment, Add	1.20	
For Accelerator Admixtures, Add	1.44	
For Slipforming, Deduct	-4.85	
For Up To 100, Add	19.49	
For >100 To 250, Add	10.95	
For >250 To 500, Add	5.47	
For >1,000 To 2,000, Deduct	-1.20	
For >2,000 To 5,000, Deduct	-2.42	
For >5,000 To 10,000, Deduct	-3.63	
For >10,000 To 20,000, Deduct	-4.84	
For >20,000, Deduct	-6.06	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 13	Rigid Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly	51.90	
			<i>For 2,500 PSI Concrete, Deduct</i>	-2.92	
			<i>For 3,000 PSI Concrete, Deduct</i>	-1.90	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.52	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.66	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	3.30	
			<i>For <10' Wide Pass, Add</i>	9.17	
			<i>For >24' Wide Pass, Deduct</i>	-10.38	
			<i>For Air Entrainment, Add</i>	1.27	
			<i>For Accelerator Admixtures, Add</i>	1.52	
			<i>For Slipforming, Deduct</i>	-5.19	
			<i>For Up To 100, Add</i>	20.98	
			<i>For >100 To 250, Add</i>	11.76	
			<i>For >250 To 500, Add</i>	5.88	
			<i>For >1,000 To 2,000, Deduct</i>	-1.27	
			<i>For >2,000 To 5,000, Deduct</i>	-2.57	
			<i>For >5,000 To 10,000, Deduct</i>	-3.86	
			<i>For >10,000 To 20,000, Deduct</i>	-5.16	
			<i>For >20,000, Deduct</i>	-6.46	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly	61.38	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.68	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.40	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.92	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.83	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.16	
			<i>For <10' Wide Pass, Add</i>	10.54	
			<i>For >24' Wide Pass, Deduct</i>	-12.28	
			<i>For Air Entrainment, Add</i>	1.60	
			<i>For Accelerator Admixtures, Add</i>	1.92	
			<i>For Slipforming, Deduct</i>	-6.14	
			<i>For Up To 100, Add</i>	24.02	
			<i>For >100 To 250, Add</i>	13.61	
			<i>For >250 To 500, Add</i>	6.81	
			<i>For >1,000 To 2,000, Deduct</i>	-1.60	
			<i>For >2,000 To 5,000, Deduct</i>	-3.14	
			<i>For >5,000 To 10,000, Deduct</i>	-4.67	
			<i>For >10,000 To 20,000, Deduct</i>	-6.20	
			<i>For >20,000, Deduct</i>	-7.74	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly	70.37	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.04	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.64	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.11	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.91	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.57	
			<i>For <10' Wide Pass, Add</i>	12.32	
			<i>For >24' Wide Pass, Deduct</i>	-14.07	
			<i>For Air Entrainment, Add</i>	1.76	
			<i>For Accelerator Admixtures, Add</i>	2.11	
			<i>For Slipforming, Deduct</i>	-7.04	
			<i>For Up To 100, Add</i>	28.17	
			<i>For >100 To 250, Add</i>	15.84	
			<i>For >250 To 500, Add</i>	7.92	
			<i>For >1,000 To 2,000, Deduct</i>	-1.76	
			<i>For >2,000 To 5,000, Deduct</i>	-3.52	
			<i>For >5,000 To 10,000, Deduct</i>	-5.28	
			<i>For >10,000 To 20,000, Deduct</i>	-7.03	
			<i>For >20,000, Deduct</i>	-8.79	
32 13 13 33-0008	SY		9" 4,500 PSI Concrete Paving Assembly	79.51	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.67	
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.05	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.44	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.06	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.28	
			<i>For <10' Wide Pass, Add</i>	13.79	
			<i>For >24' Wide Pass, Deduct</i>	-15.90	
			<i>For Air Entrainment, Add</i>	2.03	
			<i>For Accelerator Admixtures, Add</i>	2.44	
			<i>For Slipforming, Deduct</i>	-7.95	
			<i>For Up To 100, Add</i>	31.46	
			<i>For >100 To 250, Add</i>	17.76	
			<i>For >250 To 500, Add</i>	8.88	
			<i>For >1,000 To 2,000, Deduct</i>	-2.03	
			<i>For >2,000 To 5,000, Deduct</i>	-4.02	
			<i>For >5,000 To 10,000, Deduct</i>	-6.01	
			<i>For >10,000 To 20,000, Deduct</i>	-7.99	
			<i>For >20,000, Deduct</i>	-9.98	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0009 SY 10" 4,500 PSI Concrete Paving Assembly	88.70	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,000 PSI Concrete, Deduct	-3.35	
For 3,500 PSI Concrete, Deduct	-2.68	
For 4,000 PSI Concrete, Deduct	-1.16	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.81	
For <10' Wide Pass, Add	15.47	
For >24' Wide Pass, Deduct	-17.74	
For Air Entrainment, Add	2.23	
For Accelerator Admixtures, Add	2.68	
For Slipforming, Deduct	-8.87	
For Up To 100, Add	35.35	
For >100 To 250, Add	19.91	
For >250 To 500, Add	9.95	
For >1,000 To 2,000, Deduct	-2.23	
For >2,000 To 5,000, Deduct	-4.45	
For >5,000 To 10,000, Deduct	-6.67	
For >10,000 To 20,000, Deduct	-8.89	
For >20,000, Deduct	-11.10	
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly	105.75	
For 2,500 PSI Concrete, Deduct	-6.08	
For 3,000 PSI Concrete, Deduct	-3.97	
For 3,500 PSI Concrete, Deduct	-3.17	
For 4,000 PSI Concrete, Deduct	-1.38	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.88	
For <10' Wide Pass, Add	18.50	
For >24' Wide Pass, Deduct	-21.15	
For Air Entrainment, Add	2.65	
For Accelerator Admixtures, Add	3.17	
For Slipforming, Deduct	-10.58	
For Up To 100, Add	42.29	
For >100 To 250, Add	23.79	
For >250 To 500, Add	11.90	
For >1,000 To 2,000, Deduct	-2.65	
For >2,000 To 5,000, Deduct	-5.29	
For >5,000 To 10,000, Deduct	-7.93	
For >10,000 To 20,000, Deduct	-10.58	
For >20,000, Deduct	-13.22	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly	135.09	
For 2,500 PSI Concrete, Deduct	-7.47	
For 3,000 PSI Concrete, Deduct	-4.87	
For 3,500 PSI Concrete, Deduct	-3.90	
For 4,000 PSI Concrete, Deduct	-1.69	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.44	
For <10' Wide Pass, Add	24.03	
For >24' Wide Pass, Deduct	-27.02	
For Air Entrainment, Add	3.25	
For Accelerator Admixtures, Add	3.90	
For Slipforming, Deduct	-13.51	
For Up To 100, Add	55.07	
For >100 To 250, Add	30.78	
For >250 To 500, Add	15.39	
For >1,000 To 2,000, Deduct	-3.25	
For >2,000 To 5,000, Deduct	-6.63	
For >5,000 To 10,000, Deduct	-10.00	
For >10,000 To 20,000, Deduct	-13.38	
For >20,000, Deduct	-16.76	

32 13 16 Decorative Concrete Paving (32 13)

32 13 16 13 Patterned Concrete Paving (32 13 16)

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001 SF For Patterned (Tactile) Finish In Sidewalk	3.60
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32 13 43 Pervious Concrete Paving (32 13)

32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	11.21
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
For >5,000 To 30,000, Deduct	-1.25
For >30,000 To 100,000, Deduct	-2.36
For >100,000, Deduct	-2.93
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	13.85
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
For >5,000 To 30,000, Deduct	-1.51
For >30,000 To 100,000, Deduct	-2.81
For >100,000, Deduct	-3.49

32 13 73 Concrete Paving Joint Sealants (32 13)

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 13 Rigid Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)**

32 13 73 13-0001	Concrete Pavement Joint And Crack Repair (32 13 73 13)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	7.07	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric.....	10.66	

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.99	1.93
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.29	1.96
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.63	2.00
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.59	2.03
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.77	2.09
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.32	2.12
32 13 73 19-0008	LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.63	2.16

32 14 Unit Paving (32 10)**32 14 09 Paver Restraints (32 14)**

32 14 09 00-0001	Paver Restraints (32 14 09)		
	Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF Up To 2" Height, Vinyl Paver Restraint	3.07	0.88
	For >1,000 To 2,000, Deduct	-0.36	
	For >2,000 To 4,000, Deduct	-0.53	
	For >4,000, Deduct	-0.68	
32 14 09 00-0003	LF Up To 2" Height, Galvanized Steel Paver Restraint	3.29	0.88
	For >500 To 1,000, Deduct	-0.09	
	For >1,000 To 2,000, Deduct	-0.19	
	For >2,000, Deduct	-0.28	
32 14 09 00-0004	LF Up To 1" Height, Aluminum Paver Restraint	3.18	0.88
	For >250 To 500, Deduct	-0.18	
	For >500 To 1,000, Deduct	-0.26	
	For >1,000 To 1,500, Deduct	-0.44	
32 14 09 00-0005	LF >1" To 2" Height, Aluminum Paver Restraint	3.67	0.88
	For >250 To 500, Deduct	-0.23	
	For >500 To 1,000, Deduct	-0.34	
	For >1,000 To 1,500, Deduct	-0.56	
32 14 09 00-0006	LF >2" To 3" Height, Aluminum Paver Restraint	4.62	0.88
	For >250 To 500, Deduct	-0.32	
	For >500 To 1,000, Deduct	-0.48	
	For >1,000 To 1,500, Deduct	-0.80	
32 14 09 00-0007	LF >3" To 4" Height, Aluminum Paver Restraint	5.35	0.88
	For >250 To 500, Deduct	-0.39	
	For >500 To 1,000, Deduct	-0.59	
	For >1,000 To 1,500, Deduct	-0.98	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)		
	Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 14 11 00-0002	SF 1" To 2" Sand Bedding, Screeded.....	1.01	
	For Up To 100, Add	0.41	
	For >100 To 500, Add	0.11	
	For >1,000 To 5,000, Deduct	-0.06	
	For >5,000, Deduct	-0.10	
32 14 11 00-0003	SF 1" To 2" Stone Dust Bedding, Screeded	1.34	
	For Up To 100, Add	0.49	
	For >100 To 500, Add	0.13	
	For >1,000 To 5,000, Deduct	-0.06	
	For >5,000, Deduct	-0.11	
32 14 11 00-0004	SF 3" Stone Dust Bedding, Screeded.....	1.80	
	For Up To 100, Add	0.63	
	For >100 To 500, Add	0.16	
	For >1,000 To 5,000, Deduct	-0.07	
	For >5,000, Deduct	-0.14	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Unit Paving	32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded	2.32	
For Up To 100, Add	0.80	
For >100 To 500, Add	0.21	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.18	
32 14 11 00-0006 SF 1" Mortar Bedding	2.52	
For Up To 100, Add	1.14	
For >100 To 500, Add	0.33	
For >1,000 To 5,000, Deduct	-0.20	
For >5,000, Deduct	-0.32	
32 14 11 00-0007 SF 2" Mortar Bedding	3.67	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.45	
For >1,000 To 5,000, Deduct	-0.27	
For >5,000, Deduct	-0.44	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar	1.26	
For Up To 100, Add	0.59	
For >100 To 500, Add	0.17	
For >1,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.17	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Pressed Precast Concrete Unit Paving (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver	8.99	2.53
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.84	
For 3-1/8" Concrete Paver, Add	1.36	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.70	
For Up To 100, Add	3.52	
For >100 To 500, Add	0.96	
For >1,000 To 5,000, Deduct	-0.51	
For >5,000, Deduct	-0.88	
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	8.53	2.32
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.82	
For 3-1/8" Concrete Paver, Add	1.32	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.66	
For Up To 100, Add	3.29	
For >100 To 500, Add	0.89	
For >1,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-0.81	
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	8.11	1.84
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.80	
For 3-1/8" Concrete Paver, Add	1.29	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.62	
For Up To 100, Add	3.08	
For >100 To 500, Add	0.83	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.75	
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver	7.73	1.91
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.78	
For 3-1/8" Concrete Paver, Add	1.26	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.58	
For Up To 100, Add	2.89	
For >100 To 500, Add	0.77	
For >1,000 To 5,000, Deduct	-0.38	
For >5,000, Deduct	-0.69	
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	8.31	2.20
Note: Patterns made by combining pavers from two or more size groups.		
For 2-3/4" Concrete Paver, Add	0.81	
For 3-1/8" Concrete Paver, Add	1.31	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.64	
For Up To 100, Add	3.18	
For >100 To 500, Add	0.86	
For >1,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.78	

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	9.47	2.53
		<i>For 1-3/8" Thick Paver, Deduct</i>	-1.79	
		<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	3.99	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.73	
		<i>For Up To 100, Add</i>	3.64	
		<i>For >100 To 500, Add</i>	0.98	
		<i>For >1,000 To 5,000, Deduct</i>	-0.51	
		<i>For >5,000, Deduct</i>	-0.89	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge.....	13.58	2.89
		<i>For 1-3/8" Thick Paver, Deduct</i>	-3.02	
		<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	6.94	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.97	
		<i>For Up To 100, Add</i>	4.84	
		<i>For >100 To 500, Add</i>	1.26	
		<i>For >1,000 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.10	
32 14 40 Stone Paving <small>(32 14)</small>				
32 14 40 00-0001 Slate Paver Sidewalk <small>(32 14 40)</small>				
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.				
32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver.....	15.19	2.11
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.97	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.08	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.68	
		<i>For Up To 100, Add</i>	4.85	
		<i>For >100 To 500, Add</i>	1.18	
		<i>For >1,000 To 5,000, Deduct</i>	-0.42	
		<i>For >5,000, Deduct</i>	-0.96	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	14.81	1.91
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.93	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.98	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.63	
		<i>For Up To 100, Add</i>	4.66	
		<i>For >100 To 500, Add</i>	1.12	
		<i>For >1,000 To 5,000, Deduct</i>	-0.38	
		<i>For >5,000, Deduct</i>	-0.90	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	14.14	1.58
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.87	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.82	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.52	
		<i>For Up To 100, Add</i>	4.33	
		<i>For >100 To 500, Add</i>	1.02	
		<i>For >1,000 To 5,000, Deduct</i>	-0.32	
		<i>For >5,000, Deduct</i>	-0.80	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	13.85	1.44
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.84	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.74	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.48	
		<i>For Up To 100, Add</i>	4.18	
		<i>For >100 To 500, Add</i>	0.98	
		<i>For >1,000 To 5,000, Deduct</i>	-0.29	
		<i>For >5,000, Deduct</i>	-0.76	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	14.44	1.73
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.90	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.89	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.57	
		<i>For Up To 100, Add</i>	4.48	
		<i>For >100 To 500, Add</i>	1.07	
		<i>For >1,000 To 5,000, Deduct</i>	-0.35	
		<i>For >5,000, Deduct</i>	-0.85	
32 14 40 00-0007 Granite Paver Sidewalk <small>(32 14 40)</small>				
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.				
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	17.52	2.11
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.09	
		<i>For 2" Granite Paver, Add</i>	0.88	
		<i>For 3" Granite Paver, Add</i>	1.75	
		<i>For 4" Granite Paver, Add</i>	1.96	
		<i>For Up To 100, Add</i>	5.43	
		<i>For >100 To 500, Add</i>	1.30	
		<i>For >1,000 To 5,000, Deduct</i>	-0.42	
		<i>For >5,000, Deduct</i>	-1.03	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
32 14 40 00-0009 SF 1" Thick, >54 to 108 SI Granite Paver.....	17.14	1.91
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>		
<i>For 2" Granite Paver, Add</i>		
<i>For 3" Granite Paver, Add</i>		
<i>For 4" Granite Paver, Add</i>		
<i>For Up To 100, Add</i>		
<i>For >100 To 500, Add</i>		
<i>For >1,000 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 14 40 00-0010 SF 1" Thick, >108 to 216 SI Granite Paver.....	16.47	1.58
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>		
<i>For 2" Granite Paver, Add</i>		
<i>For 3" Granite Paver, Add</i>		
<i>For 4" Granite Paver, Add</i>		
<i>For Up To 100, Add</i>		
<i>For >100 To 500, Add</i>		
<i>For >1,000 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver.....	16.18	1.44
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>		
<i>For 2" Granite Paver, Add</i>		
<i>For 3" Granite Paver, Add</i>		
<i>For 4" Granite Paver, Add</i>		
<i>For Up To 100, Add</i>		
<i>For >100 To 500, Add</i>		
<i>For >1,000 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns	16.77	1.73
Note: Patterns made by combining pavers from two or more size groups.		
<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>		
<i>For 2" Granite Paver, Add</i>		
<i>For 3" Granite Paver, Add</i>		
<i>For 4" Granite Paver, Add</i>		
<i>For Up To 100, Add</i>		
<i>For >100 To 500, Add</i>		
<i>For >1,000 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 14 40 00-0013 Cobble Stone <small>(32 14 40)</small>		
Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.		
32 14 40 00-0014 SF 4" to 8" diameter cobble stones, various colors, Up To 500 SF	21.31	
Note: Half embedded in minimum 6" thick 2500 psi concrete mix.		
32 14 40 00-0015 SF 4" to 8" diameter cobble stones, various colors, > 500 SF.....	16.64	
Note: Half embedded in minimum 6" thick 2500 psi concrete mix.		
32 14 43 Porous Unit Paving <small>(32 14)</small>		
32 14 43 00-0001 Turf Block <small>(32 14 43)</small>		
Note: Grass grid, open-cell unit paver, geoblock.		
32 14 43 00-0002 SF 3-1/8" Thick, Precast Concrete Turf Block	7.74	2.20
<i>For Up To 100, Add</i>		
<i>For >100 To 500, Add</i>		
<i>For >1,000 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 14 43 00-0003 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	11.02	2.20
<i>For Up To 100, Add</i>		
<i>For >100 To 500, Add</i>		
<i>For >1,000 To 5,000, Deduct</i>		
<i>For >5,000, Deduct</i>		
32 15 Aggregate Surfacing <small>(32 10)</small>		
32 15 40 Crushed Stone Surfacing <small>(32 15)</small>		
Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 15 40 00-0001 Gravel Surfacing And Spreading <small>(32 15 40)</small>		
Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002 CY Gravel Surfacing And Spreading.....	82.48	
32 15 40 00-0003 Limestone Screenings <small>(32 15 40)</small>		
Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004 CY Limestone Screenings For Trail	52.87	
32 16 Curbs, Gutters, Sidewalks, And Driveways <small>(32 10)</small>		
32 16 13 Curbs And Gutters <small>(32 16)</small>		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0046 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters (32 16 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curbs (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	"B3" Cast In Place Concrete Curb.....	8.43	7.62
32 16 13 13-0003	LF	"B3" Cast In Place Concrete Curb - Radius	9.60	8.76
32 16 13 13-0004	LF	"B1" Cast In Place Concrete Curb.....	19.23	7.62
32 16 13 13-0005	LF	"B1" Cast In Place Concrete Curb - Radius	22.02	8.38
32 16 13 13-0006	LF	"A1-150" Cast In Place Concrete Curb	18.77	7.62
32 16 13 13-0007	LF	"A1-150" Cast In Place Concrete Curb - Radius	21.49	8.38
32 16 13 13-0008	LF	"A1-200" Cast In Place Concrete Curb	19.43	7.62
32 16 13 13-0009	LF	"A1-200" Cast In Place Concrete Curb - Radius	22.24	8.38
32 16 13 13-0010	LF	6" x 12" Cast In Place Concrete Curb (Type A1-6)	14.68	7.62
		For Up To 20, Add	9.03	
		For >20 To 50, Add	5.13	
		For >50 To 100, Add	1.95	
		For >500 To 1,000, Deduct	-1.95	
		For >1,000, Deduct	-3.30	
32 16 13 13-0011	LF	6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6)	16.83	8.76
		For Up To 20, Add	10.41	
		For >20 To 50, Add	5.91	
		For >50 To 100, Add	2.25	
		For >500 To 1,000, Deduct	-2.25	
		For >1,000, Deduct	-3.80	
32 16 13 13-0012	LF	6" x 14" Cast In Place Concrete Curb (Type A1-8)	16.15	7.62
		For Up To 20, Add	9.90	
		For >20 To 50, Add	5.61	
		For >50 To 100, Add	2.14	
		For >500 To 1,000, Deduct	-2.14	
		For >1,000, Deduct	-3.61	
32 16 13 13-0013	LF	6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8)	18.52	8.76
		For Up To 20, Add	11.41	
		For >20 To 50, Add	6.48	
		For >50 To 100, Add	2.47	
		For >500 To 1,000, Deduct	-2.47	
		For >1,000, Deduct	-4.17	
32 16 13 13-0014	LF	6" x 16" Cast In Place Concrete Curb	17.76	7.62
		For Up To 20, Add	10.79	
		For >20 To 50, Add	6.12	
		For >50 To 100, Add	2.34	
		For >500 To 1,000, Deduct	-2.34	
		For >1,000, Deduct	-3.95	
32 16 13 13-0015	LF	6" x 16" Cast In Place Concrete Curb - Radius	20.34	11.42
		For Up To 20, Add	12.45	
		For >20 To 50, Add	7.06	
		For >50 To 100, Add	2.69	
		For >500 To 1,000, Deduct	-2.69	
		For >1,000, Deduct	-4.55	
32 16 13 13-0016	LF	6" x 18" Cast In Place Concrete Curb	19.07	7.62
		For Up To 20, Add	11.51	
		For >20 To 50, Add	6.52	
		For >50 To 100, Add	2.49	
		For >500 To 1,000, Deduct	-2.49	
		For >1,000, Deduct	-4.22	
32 16 13 13-0017	LF	6" x 18" Cast In Place Concrete Curb - Radius	21.56	8.76
		For Up To 20, Add	13.07	
		For >20 To 50, Add	7.41	
		For >50 To 100, Add	2.83	
		For >500 To 1,000, Deduct	-2.83	
		For >1,000, Deduct	-4.78	
32 16 13 13-0018	LF	6" x 24" Cast In Place Concrete Curb	21.87	8.38
		For Up To 20, Add	12.84	
		For >20 To 50, Add	7.27	
		For >50 To 100, Add	2.79	
		For >500 To 1,000, Deduct	-2.79	
		For >1,000, Deduct	-4.73	
32 16 13 13-0019	LF	6" x 24" Cast In Place Concrete Curb - Radius	24.47	9.52
		For Up To 20, Add	14.41	
		For >20 To 50, Add	8.16	
		For >50 To 100, Add	3.13	
		For >500 To 1,000, Deduct	-3.13	
		For >1,000, Deduct	-5.30	
32 16 13 13-0020	LF	12" x 24" Cast In Place Concrete Curb	28.61	9.52
		For Up To 20, Add	15.24	
		For >20 To 50, Add	8.57	
		For >50 To 100, Add	3.33	
		For >500 To 1,000, Deduct	-3.33	
		For >1,000, Deduct	-5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0021 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	31.84	10.67
<i>For Up To 20, Add</i>	17.03	
<i>For >20 To 50, Add</i>	9.58	
<i>For >50 To 100, Add</i>	3.72	
<i>For >500 To 1,000, Deduct</i>	-3.72	
<i>For >1,000, Deduct</i>	-6.38	
32 16 13 13-0022 EA Additional Finish For Handicap Drop Section In Curb.....	57.12	
32 16 13 13-0023 Cast In Place Concrete Curb And Gutter <small>(32 16 13 13)</small>		
Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0024 LF "A2-6 Modified" Concrete Curb And Gutter - Straight.....	21.19	9.17
<i>For Up To 20, Add</i>	14.32	
<i>For >20 To 50, Add</i>	7.96	
<i>For >50 To 100, Add</i>	3.18	
<i>For >500 To 1,000, Deduct</i>	-2.67	
<i>For >1,000, Deduct</i>	-4.53	
<i>For Rolled Curb And Gutter</i>	1.33	
32 16 13 13-0025 LF "A2-6 Modified" Concrete Curb And Gutter - Radius.....	23.45	9.17
<i>For Up To 20, Add</i>	15.83	
<i>For >20 To 50, Add</i>	8.79	
<i>For >50 To 100, Add</i>	3.52	
<i>For >500 To 1,000, Deduct</i>	-2.93	
<i>For >1,000, Deduct</i>	-4.98	
<i>For Rolled Curb And Gutter</i>	1.44	
32 16 13 13-0026 LF "A2-6" Concrete Curb And Gutter - Straight.....	28.30	12.23
<i>For Up To 20, Add</i>	19.43	
<i>For >20 To 50, Add</i>	10.94	
<i>For >50 To 100, Add</i>	4.25	
<i>For >500 To 1,000, Deduct</i>	-3.86	
<i>For >1,000, Deduct</i>	-6.50	
<i>For Rolled Curb And Gutter</i>	2.24	
32 16 13 13-0027 LF "A2-6" Concrete Curb And Gutter - Radius.....	36.20	13.76
<i>For Up To 20, Add</i>	24.47	
<i>For >20 To 50, Add</i>	13.61	
<i>For >50 To 100, Add</i>	5.43	
<i>For >500 To 1,000, Deduct</i>	-4.56	
<i>For >1,000, Deduct</i>	-7.75	
<i>For Rolled Curb And Gutter</i>	2.27	
32 16 13 13-0028 LF "B-2" Concrete Curb And Gutter - Straight.....	34.68	13.38
<i>For Up To 20, Add</i>	23.49	
<i>For >20 To 50, Add</i>	13.08	
<i>For >50 To 100, Add</i>	5.20	
<i>For >500 To 1,000, Deduct</i>	-4.41	
<i>For >1,000, Deduct</i>	-7.48	
<i>For Rolled Curb And Gutter</i>	2.24	
32 16 13 13-0029 LF "B-2" Concrete Curb And Gutter - Radius.....	35.89	13.38
<i>For Up To 20, Add</i>	24.21	
<i>For >20 To 50, Add</i>	13.44	
<i>For >50 To 100, Add</i>	5.38	
<i>For >500 To 1,000, Deduct</i>	-4.47	
<i>For >1,000, Deduct</i>	-7.60	
<i>For Rolled Curb And Gutter</i>	2.18	
32 16 13 13-0030 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Straight.....	20.09	9.17
<i>For Up To 20, Add</i>	13.66	
<i>For >20 To 50, Add</i>	7.63	
<i>For >50 To 100, Add</i>	3.01	
<i>For >500 To 1,000, Deduct</i>	-2.61	
<i>For >1,000, Deduct</i>	-4.42	
<i>For Rolled Curb And Gutter</i>	1.39	
32 16 13 13-0031 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Radius.....	21.91	12.23
<i>For Up To 20, Add</i>	14.91	
<i>For >20 To 50, Add</i>	8.33	
<i>For >50 To 100, Add</i>	3.29	
<i>For >500 To 1,000, Deduct</i>	-2.85	
<i>For >1,000, Deduct</i>	-4.83	
<i>For Rolled Curb And Gutter</i>	1.52	
32 16 13 13-0032 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Straight.....	25.55	10.17
<i>For Up To 20, Add</i>	17.36	
<i>For >20 To 50, Add</i>	9.69	
<i>For >50 To 100, Add</i>	3.83	
<i>For >500 To 1,000, Deduct</i>	-3.30	
<i>For >1,000, Deduct</i>	-5.59	
<i>For Rolled Curb And Gutter</i>	1.74	
32 16 13 13-0033 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Radius.....	28.26	11.32
<i>For Up To 20, Add</i>	19.21	
<i>For >20 To 50, Add</i>	10.73	
<i>For >50 To 100, Add</i>	4.24	
<i>For >500 To 1,000, Deduct</i>	-3.67	
<i>For >1,000, Deduct</i>	-6.21	
<i>For Rolled Curb And Gutter</i>	1.94	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0034 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Straight (Type A3-6).....	31.02	12.23
For Up To 20, Add	21.06	
For >20 To 50, Add	11.75	
For >50 To 100, Add	4.65	
For >500 To 1,000, Deduct	-4.00	
For >1,000, Deduct	-6.77	
For Rolled Curb And Gutter	2.09	
32 16 13 13-0035 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	34.59	13.76
For Up To 20, Add	23.51	
For >20 To 50, Add	13.13	
For >50 To 100, Add	5.19	
For >500 To 1,000, Deduct	-4.48	
For >1,000, Deduct	-7.59	
For Rolled Curb And Gutter	2.36	
32 16 13 13-0036 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Straight	36.89	14.52
For Up To 20, Add	25.04	
For >20 To 50, Add	13.97	
For >50 To 100, Add	5.53	
For >500 To 1,000, Deduct	-4.75	
For >1,000, Deduct	-8.05	
For Rolled Curb And Gutter	2.48	
32 16 13 13-0037 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Radius.....	40.57	16.06
For Up To 20, Add	27.55	
For >20 To 50, Add	15.38	
For >50 To 100, Add	6.09	
For >500 To 1,000, Deduct	-5.24	
For >1,000, Deduct	-8.88	
For Rolled Curb And Gutter	2.75	
32 16 13 13-0038 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Straight	42.76	16.83
For Up To 20, Add	29.02	
For >20 To 50, Add	16.19	
For >50 To 100, Add	6.41	
For >500 To 1,000, Deduct	-5.50	
For >1,000, Deduct	-9.32	
For Rolled Curb And Gutter	2.86	
32 16 13 13-0039 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Radius.....	46.52	18.36
For Up To 20, Add	31.58	
For >20 To 50, Add	17.63	
For >50 To 100, Add	6.98	
For >500 To 1,000, Deduct	-6.00	
For >1,000, Deduct	-10.16	
For Rolled Curb And Gutter	3.13	
32 16 13 13-0040 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Straight	48.61	19.12
For Up To 20, Add	32.99	
For >20 To 50, Add	18.41	
For >50 To 100, Add	7.29	
For >500 To 1,000, Deduct	-6.25	
For >1,000, Deduct	-10.60	
For Rolled Curb And Gutter	3.25	
32 16 13 13-0041 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Radius.....	54.01	21.41
For Up To 20, Add	36.69	
For >20 To 50, Add	20.49	
For >50 To 100, Add	8.10	
For >500 To 1,000, Deduct	-6.98	
For >1,000, Deduct	-11.82	
For Rolled Curb And Gutter	3.67	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002 JOB Machine Formed Curb Minimum Set-Up Charge	1,075.49	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Curb, Machine Formed.....	9.53	
32 16 13 14-0004 LF 6" x 12" Curved Curb, Machine Formed.....	12.87	
32 16 13 14-0005 LF 6" x 18" Straight Curb, Machine Formed.....	12.60	
32 16 13 14-0006 LF 6" x 18" Curved Curb, Machine Formed.....	16.50	

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002 LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	13.80	4.10
For Curved Section, Add	2.91	
32 16 13 16-0003 LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	15.16	4.66
For Curved Section, Add	3.26	
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	20.63	5.20
For Curved Section, Add	4.03	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	25.45	5.86
For Curved Section, Add	4.73	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	31.29	6.42
For Curved Section, Add	5.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	40.96	8.18
<i>For Curved Section, Add</i>	7.15	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	46.99	10.61
<i>For Curved Section, Add</i>	8.66	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	149.23	
32 16 13 16-0010 EA Pedestrian/Handicap Ramp, Complete.....	85.98	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)

32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002 LF 2' Wide Valley Gutter, 6" Thick.....	21.05	
<i>For Up To 20, Add</i>	10.71	
<i>For >20 To 50, Add</i>	6.01	
<i>For >50 To 100, Add</i>	2.35	
<i>For >500 To 1,000, Deduct</i>	-2.35	
<i>For >1,000, Deduct</i>	-4.06	
32 16 13 19-0003 LF 2-1/2' Wide Valley Gutter, 6" Thick	25.73	
<i>For Up To 20, Add</i>	12.98	
<i>For >20 To 50, Add</i>	7.27	
<i>For >50 To 100, Add</i>	2.85	
<i>For >500 To 1,000, Deduct</i>	-2.85	
<i>For >1,000, Deduct</i>	-4.92	
32 16 13 19-0004 LF 3' Wide Valley Gutter, 6" Thick.....	30.33	
<i>For Up To 20, Add</i>	15.19	
<i>For >20 To 50, Add</i>	8.51	
<i>For >50 To 100, Add</i>	3.34	
<i>For >500 To 1,000, Deduct</i>	-3.34	
<i>For >1,000, Deduct</i>	-5.77	
32 16 13 19-0005 LF 3-1/2' Wide Valley Gutter, 6" Thick	34.92	
<i>For Up To 20, Add</i>	17.40	
<i>For >20 To 50, Add</i>	9.74	
<i>For >50 To 100, Add</i>	3.83	
<i>For >500 To 1,000, Deduct</i>	-3.83	
<i>For >1,000, Deduct</i>	-6.62	
32 16 13 19-0006 LF 4' Wide Valley Gutter, 6" Thick.....	39.53	
<i>For Up To 20, Add</i>	19.62	
<i>For >20 To 50, Add</i>	10.98	
<i>For >50 To 100, Add</i>	4.32	
<i>For >500 To 1,000, Deduct</i>	-4.32	
<i>For >1,000, Deduct</i>	-7.47	
32 16 13 19-0007 LF 5' Wide Valley Gutter, 6" Thick.....	46.47	
<i>For Up To 20, Add</i>	22.46	
<i>For >20 To 50, Add</i>	12.55	
<i>For >50 To 100, Add</i>	4.96	
<i>For >500 To 1,000, Deduct</i>	-4.96	
<i>For >1,000, Deduct</i>	-8.60	
32 16 13 19-0008 LF 6' Wide Valley Gutter, 6" Thick.....	53.08	
<i>For Up To 20, Add</i>	25.08	
<i>For >20 To 50, Add</i>	13.98	
<i>For >50 To 100, Add</i>	5.55	
<i>For >500 To 1,000, Deduct</i>	-5.55	
<i>For >1,000, Deduct</i>	-9.65	
32 16 13 19-0009 SF >6' Wide Valley Gutter, 6" Thick	8.85	
<i>For Up To 100, Add</i>	4.18	
<i>For >100 To 250, Add</i>	2.33	
<i>For >250 To 500, Add</i>	0.92	
<i>For >2,500 To 5,000, Deduct</i>	-0.92	
<i>For >5,000, Deduct</i>	-1.61	
32 16 13 19-0010 LF 2' Wide Valley Gutter, 7" Thick.....	22.98	
<i>For Up To 20, Add</i>	11.45	
<i>For >20 To 50, Add</i>	6.41	
<i>For >50 To 100, Add</i>	2.52	
<i>For >500 To 1,000, Deduct</i>	-2.52	
<i>For >1,000, Deduct</i>	-4.35	
32 16 13 19-0011 LF 2-1/2' Wide Valley Gutter, 7" Thick	28.31	
<i>For Up To 20, Add</i>	14.03	
<i>For >20 To 50, Add</i>	7.85	
<i>For >50 To 100, Add</i>	3.09	
<i>For >500 To 1,000, Deduct</i>	-3.09	
<i>For >1,000, Deduct</i>	-5.34	
32 16 13 19-0012 LF 3' Wide Valley Gutter, 7" Thick.....	33.16	
<i>For Up To 20, Add</i>	16.26	
<i>For >20 To 50, Add</i>	9.09	
<i>For >50 To 100, Add</i>	3.58	
<i>For >500 To 1,000, Deduct</i>	-3.58	
<i>For >1,000, Deduct</i>	-6.21	
32 16 13 19-0013 LF 3-1/2' Wide Valley Gutter, 7" Thick	38.21	
<i>For Up To 20, Add</i>	18.64	
<i>For >20 To 50, Add</i>	10.42	
<i>For >50 To 100, Add</i>	4.11	
<i>For >500 To 1,000, Deduct</i>	-4.11	
<i>For >1,000, Deduct</i>	-7.12	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0014	LF		4' Wide Valley Gutter, 7" Thick.....	43.24	
			For Up To 20, Add	21.00	
			For >20 To 50, Add	11.74	
			For >50 To 100, Add	4.63	
			For >500 To 1,000, Deduct	-4.63	
			For >1,000, Deduct	-8.03	
32 16 13 19-0015	LF		5' Wide Valley Gutter, 7" Thick.....	50.97	
			For Up To 20, Add	24.09	
			For >20 To 50, Add	13.44	
			For >50 To 100, Add	5.33	
			For >500 To 1,000, Deduct	-5.33	
			For >1,000, Deduct	-9.27	
32 16 13 19-0016	LF		6' Wide Valley Gutter, 7" Thick.....	58.33	
			For Up To 20, Add	26.93	
			For >20 To 50, Add	14.99	
			For >50 To 100, Add	5.97	
			For >500 To 1,000, Deduct	-5.97	
			For >1,000, Deduct	-10.41	
32 16 13 19-0017	SF		>6' Wide Valley Gutter, 7" Thick.....	9.72	
			For Up To 100, Add	4.49	
			For >100 To 250, Add	2.50	
			For >250 To 500, Add	1.00	
			For >2,500 To 5,000, Deduct	-1.00	
			For >5,000, Deduct	-1.74	
32 16 13 19-0018	LF		2' Wide Valley Gutter, 8" Thick.....	23.33	
			For Up To 20, Add	11.88	
			For >20 To 50, Add	6.66	
			For >50 To 100, Add	2.61	
			For >500 To 1,000, Deduct	-2.61	
			For >1,000, Deduct	-4.50	
32 16 13 19-0019	LF		2-1/2' Wide Valley Gutter, 8" Thick.....	28.52	
			For Up To 20, Add	14.40	
			For >20 To 50, Add	8.07	
			For >50 To 100, Add	3.17	
			For >500 To 1,000, Deduct	-3.17	
			For >1,000, Deduct	-5.46	
32 16 13 19-0020	LF		3' Wide Valley Gutter, 8" Thick.....	33.62	
			For Up To 20, Add	16.86	
			For >20 To 50, Add	9.44	
			For >50 To 100, Add	3.71	
			For >500 To 1,000, Deduct	-3.71	
			For >1,000, Deduct	-6.40	
32 16 13 19-0021	LF		3-1/2' Wide Valley Gutter, 8" Thick.....	38.71	
			For Up To 20, Add	19.31	
			For >20 To 50, Add	10.81	
			For >50 To 100, Add	4.25	
			For >500 To 1,000, Deduct	-4.25	
			For >1,000, Deduct	-7.34	
32 16 13 19-0022	LF		4' Wide Valley Gutter, 8" Thick.....	43.81	
			For Up To 20, Add	21.77	
			For >20 To 50, Add	12.18	
			For >50 To 100, Add	4.79	
			For >500 To 1,000, Deduct	-4.79	
			For >1,000, Deduct	-8.28	
32 16 13 19-0023	LF		5' Wide Valley Gutter, 8" Thick.....	51.51	
32 16 13 19-0024	LF		6' Wide Valley Gutter, 8" Thick.....	58.83	
32 16 13 19-0025	SF		>6' Wide Valley Gutter, 8" Thick.....	9.80	
			For Up To 100, Add	4.64	
			For >100 To 250, Add	2.59	
			For >250 To 500, Add	1.03	
			For >2,500 To 5,000, Deduct	-1.03	
			For >5,000, Deduct	-1.78	
32 16 13 19-0026			Gutter Intersections <small>(32 16 13 19)</small>		
			Note: Assembly includes installation, concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0027	EA		Cross Gutter At T Section	865.24	
32 16 13 19-0028	EA		8' Alley Intersection Or Typical Cross Gutter.....	1,045.48	
32 16 13 19-0029	EA		10' Alley Intersection Or Typical Cross Gutter.....	1,633.57	
32 16 13 19-0030	EA		15' Alley Intersection Or Typical Cross Gutter.....	3,675.52	
32 16 13 19-0031	EA		20' Alley Intersection Or Typical Cross Gutter.....	6,534.26	
32 16 13 19-0032	EA		25' Alley Intersection Or Typical Cross Gutter.....	10,209.79	
32 16 13 19-0033	EA		30' Alley Intersection Or Typical Cross Gutter.....	14,702.09	
32 16 13 19-0034			Driveway Approach, Cast In Place <small>(32 16 13 19)</small>		
			Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0035	SF		4 Cast In Place Concrete Driveway Approach	10.07	
			For Up To 100, Add	4.50	
			For >100 To 500, Add	1.29	
			For >1,000 To 5,000, Deduct	-0.79	
			For >5,000, Deduct	-1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0036 SF 6" Cast In Place Concrete Driveway Approach.....	13.81	
<i>For Up To 100, Add</i>	6.15	
<i>For >100 To 500, Add</i>	1.77	
<i>For >1,000 To 5,000, Deduct</i>	-1.08	
<i>For >5,000, Deduct</i>	-2.31	
32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)		
32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002 LF 6" X 18" Precast Concrete Curb.....	32.67	7.76
32 16 13 23-0003 LF 6" X 18" Precast Concrete Curb, Radius	38.97	8.93
32 16 13 33 Asphalt Curbs (32 16 13)		
32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.51	4.19
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.84	4.66
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	13.07	5.11
32 16 13 43 Stone Curbs (32 16 13)		
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Remove And Reset Stone Or Precast Curbing.....	26.86	
Note: Includes storage and cleaning.		
32 16 23 Sidewalks (32 16)		
32 16 23 00-0001 Cast In Place Concrete Sidewalk (32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk	6.96	
<i>For Up To 100, Add</i>	3.00	
<i>For >100 To 500, Add</i>	0.85	
<i>For >1,000 To 5,000, Deduct</i>	-0.51	
<i>For >5,000, Deduct</i>	-1.11	
<i>For Welded Wire Reinforcement, Add</i>	0.54	
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk	7.56	
<i>For Up To 100, Add</i>	3.20	
<i>For >100 To 500, Add</i>	0.90	
<i>For >1,000 To 5,000, Deduct</i>	-0.52	
<i>For >5,000, Deduct</i>	-1.16	
<i>For Welded Wire Reinforcement, Add</i>	0.55	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk	8.18	
<i>For Up To 100, Add</i>	3.40	
<i>For >100 To 500, Add</i>	0.95	
<i>For >1,000 To 5,000, Deduct</i>	-0.54	
<i>For >5,000, Deduct</i>	-1.22	
<i>For Welded Wire Reinforcement, Add</i>	0.57	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk	9.50	
<i>For Up To 100, Add</i>	3.91	
<i>For >100 To 500, Add</i>	1.09	
<i>For >1,000 To 5,000, Deduct</i>	-0.62	
<i>For >5,000, Deduct</i>	-1.40	
<i>For Welded Wire Reinforcement, Add</i>	0.62	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk	10.04	
<i>For Up To 100, Add</i>	4.08	
<i>For >100 To 500, Add</i>	1.13	
<i>For >1,000 To 5,000, Deduct</i>	-0.63	
<i>For >5,000, Deduct</i>	-1.44	
<i>For Welded Wire Reinforcement, Add</i>	0.63	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk	1.80	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk.....	107.97	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009 Bituminous Sidewalk (32 16 23)		
Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0010 SY 1" Bituminous Sidewalk.....	7.97	
<i>For Up To 100, Add</i>	2.90	
<i>For >100 To 500, Add</i>	0.76	
<i>For >1,000 To 5,000, Deduct</i>	-0.36	
<i>For >5,000, Deduct</i>	-0.76	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 16	Curbs, Gutters, Sidewalks, And Driveways



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0011 SY 1-1/2" Bituminous Sidewalk.....	10.04	
For Up To 100, Add	3.60	
For >100 To 500, Add	0.94	
For >1,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.94	
32 16 23 00-0012 SY 2" Bituminous Sidewalk.....	14.06	
For Up To 100, Add	4.87	
For >100 To 500, Add	1.24	
For >1,000 To 5,000, Deduct	-0.54	
For >5,000, Deduct	-1.24	
32 16 23 00-0013 SY 2-1/2" Bituminous Sidewalk.....	17.59	
For Up To 100, Add	6.08	
For >100 To 500, Add	1.55	
For >1,000 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-1.55	
32 16 23 00-0014 SY 3" Bituminous Sidewalk.....	20.33	
For Up To 100, Add	6.90	
For >100 To 500, Add	1.74	
For >1,000 To 5,000, Deduct	-0.73	
For >5,000, Deduct	-1.74	
32 16 23 00-0015 SY 3-1/2" Bituminous Sidewalk.....	23.55	
For Up To 100, Add	7.89	
For >100 To 500, Add	1.98	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.98	

32 16 43 Asphalt Dike (32 16)**32 16 43 00-0001 Asphalt Dike** (32 16 43)

32 16 43 00-0002 LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	9.05	
32 16 43 00-0003 LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	12.18	
32 16 43 00-0004 LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	12.18	
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	17.09	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	20.17	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	5.29	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	12.51	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	19.37	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	9.05	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	5.29	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	19.37	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	12.51	
32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	7.61	

32 17 Paving Specialties (32 10)**32 17 13 Parking Bumpers** (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop.....	57.21	5.83
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop.....	63.77	5.83

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop.....	43.95	17.55
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop.....	50.95	17.55
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop.....	52.01	17.55
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop.....	54.20	17.55
32 17 13 19-0005 EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop.....	50.95	17.55
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop.....	63.00	17.55
32 17 13 19-0007 EA 7.625" x 7.625" x 6' Precast Concrete Wheel Stop.....	70.04	17.55
32 17 13 19-0008 EA 7.625" x 7.625" x 8' Precast Concrete Wheel Stop.....	100.13	17.55
32 17 13 19-0009 EA 8" x 12" x 8' Precast Concrete Wheel Stop.....	89.34	18.95

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	26.77	5.83
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	31.45	5.83
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	33.32	5.83
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	36.13	5.83

32 17 13 26 Wood Parking Bumpers (32 17 13)

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	7.65	1.41
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	9.70	1.41

32 17 13 33 Remove And Relocate Parking Bumpers (32 17 13)

32 17 13 33-0001 EA Remove And Relocate Precast Concrete Wheel Stop.....	28.07	
32 17 13 33-0002 EA Remove And Relocate Plastic Or Wood Wheel Stop.....	18.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 33-0003 EA Reset 4' Bumper	24.67	
32 17 13 33-0004 EA Reset 6' Bumper	33.97	
32 17 16 Speed Bumps (32 17)		
32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)		
Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	38.59	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	33.72	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	31.56	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	36.91	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	32.38	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	30.46	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	35.20	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	31.35	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	29.56	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011 Asphalt Speed Table (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown	28.84	
Note: Tapered on edges to roadway.		
32 17 16 00-0013 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown	34.08	
Note: Tapered on edges to roadway.		
32 17 16 00-0014 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown	36.27	
Note: Tapered on edges to roadway.		
32 17 16 00-0015 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown	42.91	
Note: Tapered on edges to roadway.		
32 17 16 00-0016 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown	44.12	
Note: Tapered on edges to roadway.		
32 17 16 00-0017 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown	49.36	
Note: Tapered on edges to roadway.		
32 17 16 00-0018 Speed Bumps (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	31.39	1.36
32 17 16 00-0020 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	26.01	0.90
32 17 16 00-0021 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	35.84	0.90
32 17 23 Pavement Markings (32 17)		
32 17 23 09 Minimum Charge For Pavement Striping (32 17 23)		
Note: For projects where the total pavement striping charge is less than the minimum charge, use item exclusively. Item should not be used in conjunction with any other items in this section.		
32 17 23 09-0001 EA Pavement Striping Minimum Charge	295.91	
32 17 23 13 Painted Pavement Markings (32 17 23)		
32 17 23 13-0001 Striping, Letters, Symbols And Markers for Roads And Airports (32 17 23 13)		
Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 13-0002 Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.39	
For 20 Mil Thickness, Add		
0.11		
For Up To 1 Mile, Add		
0.08		
For >5 Miles, Deduct		
-0.06		
For Broken Line (25% Solid), Deduct		
-0.17		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0004	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.55	
			<i>For 20 Mil Thickness, Add</i>	0.16	
			<i>For Up To 1 Mile, Add</i>	0.11	
			<i>For >5 Miles, Deduct</i>	-0.08	
			<i>For Broken Line (25% Solid), Deduct</i>	-0.26	
32 17 23 13-0005	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.67	
			<i>For 20 Mil Thickness, Add</i>	0.19	
			<i>For Up To 1 Mile, Add</i>	0.13	
			<i>For >5 Miles, Deduct</i>	-0.10	
			<i>For Broken Line (25% Solid), Deduct</i>	-0.31	
32 17 23 13-0006	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.01	
			<i>For 20 Mil Thickness, Add</i>	0.30	
			<i>For Up To 1 Mile, Add</i>	0.20	
			<i>For >5 Miles, Deduct</i>	-0.15	
			<i>For Broken Line (25% Solid), Deduct</i>	-0.50	
32 17 23 13-0007	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.61	
			<i>For 20 Mil Thickness, Add</i>	0.18	
			<i>For Up To 1 Mile, Add</i>	0.12	
			<i>For >5 Miles, Deduct</i>	-0.09	
			<i>For Broken Line On One Side, Deduct</i>	-0.17	
			<i>For Double Broken Line, Deduct</i>	-0.34	
32 17 23 13-0008	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.88	
			<i>For 20 Mil Thickness, Add</i>	0.27	
			<i>For Up To 1 Mile, Add</i>	0.18	
			<i>For >5 Miles, Deduct</i>	-0.13	
			<i>For Broken Line On One Side, Deduct</i>	-0.25	
			<i>For Double Broken Line, Deduct</i>	-0.50	
32 17 23 13-0009	SF		Solid Area, Epoxy Reflective Pavement Marking	5.65	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			<i>For 20 Mil Thickness, Add</i>	0.65	
32 17 23 13-0010	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking	3.52	
			<i>For 20 Mil Thickness, Add</i>	0.33	
			<i>For <10, Add</i>	0.46	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 200, Deduct</i>	-0.30	
			<i>For >200, Deduct</i>	-0.61	
32 17 23 13-0011	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking	6.33	
			<i>For 20 Mil Thickness, Add</i>	0.83	
			<i>For <10, Add</i>	0.69	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 200, Deduct</i>	-0.46	
			<i>For >200, Deduct</i>	-0.92	
32 17 23 13-0012	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking	10.68	
			<i>For 20 Mil Thickness, Add</i>	1.44	
			<i>For <10, Add</i>	1.14	
			<i>For >50 To 100, Deduct</i>	-0.57	
			<i>For >100 To 200, Deduct</i>	-0.76	
			<i>For >200, Deduct</i>	-1.52	
32 17 23 13-0013	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking	20.62	
			<i>For 20 Mil Thickness, Add</i>	2.64	
			<i>For <10, Add</i>	2.29	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 200, Deduct</i>	-1.52	
			<i>For >200, Deduct</i>	-3.05	
32 17 23 13-0014	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking	24.08	
			<i>For 20 Mil Thickness, Add</i>	3.27	
			<i>For <10, Add</i>	2.56	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100 To 200, Deduct</i>	-1.71	
			<i>For >200, Deduct</i>	-3.42	
32 17 23 13-0015	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking	43.17	
			<i>For 20 Mil Thickness, Add</i>	5.93	
			<i>For <10, Add</i>	4.56	
			<i>For >50 To 100, Deduct</i>	-2.28	
			<i>For >100 To 200, Deduct</i>	-3.04	
			<i>For >200, Deduct</i>	-6.08	
32 17 23 13-0016	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking	57.64	
			<i>For 20 Mil Thickness, Add</i>	7.86	
			<i>For <10, Add</i>	6.12	
			<i>For >50 To 100, Deduct</i>	-3.06	
			<i>For >100 To 200, Deduct</i>	-4.08	
			<i>For >200, Deduct</i>	-8.17	
32 17 23 13-0017	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking	88.10	
			<i>For 20 Mil Thickness, Add</i>	15.29	
			<i>For <10, Add</i>	7.59	
			<i>For >50 To 100, Deduct</i>	-3.79	
			<i>For >100 To 200, Deduct</i>	-5.06	
			<i>For >200, Deduct</i>	-10.12	
32 17 23 13-0018	SF		Letter/Number, Epoxy Reflective Pavement Marking	5.79	
			<i>For 20 Mil Thickness, Add</i>	0.65	
32 17 23 13-0019	SF		Symbols, Epoxy Reflective Pavement Marking	7.35	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020			Alkyd/Solvent Based/Latex Reflective Pavement Marking <small>(32 17 23 13-0001)</small> Note: 15 mil thickness.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0021 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.21	
Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
<i>For Broken Line (25% Solid), Deduct</i>	-0.04	
32 17 23 13-0022 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.28	
Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.04	
<i>For Broken Line (25% Solid), Deduct</i>	-0.05	
32 17 23 13-0023 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.35	
Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
<i>For Broken Line (25% Solid), Deduct</i>	-0.07	
32 17 23 13-0024 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.47	
Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line (25% Solid), Deduct</i>	-0.10	
32 17 23 13-0025 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.31	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.05	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.07	
32 17 23 13-0026 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.47	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.10	
32 17 23 13-0027 SF Solid Area, Painted Reflective Pavement Striping	4.57	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0028 EA 6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	3.31	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	0.46	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 200, Deduct</i>	-0.30	
<i>For >200, Deduct</i>	-0.61	
32 17 23 13-0029 EA 12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	5.55	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	0.69	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 200, Deduct</i>	-0.46	
<i>For >200, Deduct</i>	-0.92	
32 17 23 13-0030 EA 24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	9.31	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	1.14	
<i>For >50 To 100, Deduct</i>	-0.57	
<i>For >100 To 200, Deduct</i>	-0.76	
<i>For >200, Deduct</i>	-1.52	
32 17 23 13-0031 EA 36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	18.21	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	2.29	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100 To 200, Deduct</i>	-1.52	
<i>For >200, Deduct</i>	-3.05	
32 17 23 13-0032 EA 48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	20.95	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	2.56	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100 To 200, Deduct</i>	-1.71	
<i>For >200, Deduct</i>	-3.42	
32 17 23 13-0033 EA 72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	37.46	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	4.56	
<i>For >50 To 100, Deduct</i>	-2.28	
<i>For >100 To 200, Deduct</i>	-3.04	
<i>For >200, Deduct</i>	-6.08	
32 17 23 13-0034 EA 96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	50.11	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	6.12	
<i>For >50 To 100, Deduct</i>	-3.06	
<i>For >100 To 200, Deduct</i>	-4.08	
<i>For >200, Deduct</i>	-8.16	
32 17 23 13-0035 EA 120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	71.32	
Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	7.59	
<i>For >50 To 100, Deduct</i>	-3.79	
<i>For >100 To 200, Deduct</i>	-5.06	
<i>For >200, Deduct</i>	-10.12	
32 17 23 13-0036 SF Letter/Number, Painted Reflective Pavement Marking	5.25	
Note: Includes solvent based and latex paints.		
32 17 23 13-0037 SF Symbols, Painted Reflective Pavement Marking	6.29	
Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0038			Pavement Marking (CALTRANS) <small>(32 17 23 13)</small>		
			Note: Per LF of detail.		
32 17 23 13-0039	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.18	
			For Up To 1 Mile, Add	0.04	
			For >5 Miles, Deduct	-0.03	
32 17 23 13-0040	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.25	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.04	
32 17 23 13-0041	LF		CALTRANS Detail 4 Centerline	0.47	
			For Up To 1 Mile, Add	0.09	
			For >5 Miles, Deduct	-0.07	
32 17 23 13-0042	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.17	
			For Up To 1 Mile, Add	0.03	
			For >5 Miles, Deduct	-0.03	
32 17 23 13-0043	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.26	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.04	
32 17 23 13-0044	LF		CALTRANS Detail 7 Centerline	0.34	
			For Up To 1 Mile, Add	0.07	
			For >5 Miles, Deduct	-0.05	
32 17 23 13-0045	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.18	
			For Up To 1 Mile, Add	0.04	
			For >5 Miles, Deduct	-0.03	
32 17 23 13-0046	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.25	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.04	
32 17 23 13-0047	LF		CALTRANS Detail 10 Lanelines	0.47	
			For Up To 1 Mile, Add	0.09	
			For >5 Miles, Deduct	-0.07	
32 17 23 13-0048	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.17	
			For Up To 1 Mile, Add	0.03	
			For >5 Miles, Deduct	-0.03	
32 17 23 13-0049	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.25	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.04	
32 17 23 13-0050	LF		CALTRANS Detail 13 Lanelines	0.34	
			For Up To 1 Mile, Add	0.07	
			For >5 Miles, Deduct	-0.05	
32 17 23 13-0051	LF		CALTRANS Detail 14 Lanelines	0.34	
			For Up To 1 Mile, Add	0.07	
			For >5 Miles, Deduct	-0.05	
32 17 23 13-0052	LF		CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.25	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.04	
32 17 23 13-0053	LF		CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.23	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.03	
			For Broken Line On One Side, Deduct	-0.03	
			For Double Broken Line, Deduct	-0.05	
32 17 23 13-0054	LF		CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.55	
			For Up To 1 Mile, Add	0.11	
			For >5 Miles, Deduct	-0.08	
32 17 23 13-0055	LF		CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	1.37	
			For Up To 1 Mile, Add	0.27	
			For >5 Miles, Deduct	-0.21	
32 17 23 13-0056	LF		CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.23	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.03	
			For Broken Line On One Side, Deduct	-0.03	
			For Double Broken Line, Deduct	-0.05	
32 17 23 13-0057	LF		CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.46	
			For Up To 1 Mile, Add	0.09	
			For >5 Miles, Deduct	-0.07	
32 17 23 13-0058	LF		CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	1.16	
			For Up To 1 Mile, Add	0.23	
			For >5 Miles, Deduct	-0.17	
32 17 23 13-0059	LF		CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.26	
			For Up To 1 Mile, Add	0.05	
			For >5 Miles, Deduct	-0.04	
			For Broken Line On One Side, Deduct	-0.04	
			For Double Broken Line, Deduct	-0.08	
32 17 23 13-0060	LF		CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.59	
			For Up To 1 Mile, Add	0.12	
			For >5 Miles, Deduct	-0.09	
32 17 23 13-0061	LF		CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	1.63	
			For Up To 1 Mile, Add	0.33	
			For >5 Miles, Deduct	-0.24	
32 17 23 13-0062	LF		CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.21	
			For Up To 1 Mile, Add	0.04	
			For >5 Miles, Deduct	-0.03	
32 17 23 13-0063	LF		CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.29	
			For Up To 1 Mile, Add	0.06	
			For >5 Miles, Deduct	-0.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0064 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping.....	0.37	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0065 LF CALTRANS Detail 26 Left Edgelines.....	0.08	
<i>For Up To 1 Mile, Add</i>	0.02	
<i>For >5 Miles, Deduct</i>	-0.01	
32 17 23 13-0066 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.34	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0067 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping.....	0.21	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0068 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.17	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0069 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping.....	0.55	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
<i>For Broken Line On One Side, Deduct</i>	-0.08	
<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0070 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping.....	0.86	
<i>For Up To 1 Mile, Add</i>	0.17	
<i>For >5 Miles, Deduct</i>	-0.13	
32 17 23 13-0071 LF CALTRANS Detail 30 Median Islands.....	3.27	
<i>For Up To 1 Mile, Add</i>	0.65	
<i>For >5 Miles, Deduct</i>	-0.49	
32 17 23 13-0072 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.47	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.10	
32 17 23 13-0073 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.85	
<i>For Up To 1 Mile, Add</i>	0.17	
<i>For >5 Miles, Deduct</i>	-0.13	
32 17 23 13-0074 LF CALTRANS Detail 33 Two-Way Left Turn Lanes.....	2.24	
<i>For Up To 1 Mile, Add</i>	0.45	
<i>For >5 Miles, Deduct</i>	-0.34	
32 17 23 13-0075 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping.....	0.46	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0076 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0077 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0078 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0079 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	1.00	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0080 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.67	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.10	
32 17 23 13-0081 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping.....	0.72	
<i>For Up To 1 Mile, Add</i>	0.14	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0082 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	0.63	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0083 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	1.10	
<i>For Up To 1 Mile, Add</i>	0.22	
<i>For >5 Miles, Deduct</i>	-0.17	
32 17 23 13-0084 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	0.63	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0085 LF CALTRANS Detail 37C Lane Drop At Intersections.....	1.10	
<i>For Up To 1 Mile, Add</i>	0.22	
<i>For >5 Miles, Deduct</i>	-0.17	
32 17 23 13-0086 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping.....	0.60	
<i>For Up To 1 Mile, Add</i>	0.12	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0087 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.45	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0088 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	0.77	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.12	
32 17 23 13-0089 LF CALTRANS Detail 38C Channelizing Line.....	1.63	
<i>For Up To 1 Mile, Add</i>	0.33	
<i>For >5 Miles, Deduct</i>	-0.24	
32 17 23 13-0090 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping.....	0.28	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.04	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0091 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.23	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0092 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.17	
For Up To 1 Mile, Add	0.03	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0093 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	0.79	
For Up To 1 Mile, Add	0.16	
For >5 Miles, Deduct	-0.12	
32 17 23 13-0094 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.17	
For Up To 1 Mile, Add	0.03	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0095 LF CALTRANS Detail 41A Center Line Extensions Through Intersections.....	0.79	
For Up To 1 Mile, Add	0.16	
For >5 Miles, Deduct	-0.12	
32 17 23 13-0096 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	83.66	
For <10, Add	11.09	
For >50 To 100, Deduct	-5.55	
For >100 To 200, Deduct	-7.40	
For >200, Deduct	-14.79	
32 17 23 13-0097 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	146.75	
For <10, Add	19.42	
For >50 To 100, Deduct	-9.71	
For >100 To 200, Deduct	-12.94	
For >200, Deduct	-25.89	
32 17 23 13-0098 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	184.19	
For <10, Add	24.41	
For >50 To 100, Deduct	-12.20	
For >100 To 200, Deduct	-16.27	
For >200, Deduct	-32.54	
32 17 23 13-0099 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking.....	267.84	
For <10, Add	35.50	
For >50 To 100, Deduct	-17.75	
For >100 To 200, Deduct	-23.67	
For >200, Deduct	-47.34	
32 17 23 13-0100 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking.....	351.50	
For <10, Add	46.60	
For >50 To 100, Deduct	-23.30	
For >100 To 200, Deduct	-31.06	
For >200, Deduct	-62.13	
32 17 23 13-0101 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	247.28	
For <10, Add	32.73	
For >50 To 100, Deduct	-16.36	
For >100 To 200, Deduct	-21.82	
For >200, Deduct	-43.64	
32 17 23 13-0102 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	431.46	
For <10, Add	57.14	
For >50 To 100, Deduct	-28.57	
For >100 To 200, Deduct	-38.09	
For >200, Deduct	-76.18	
32 17 23 13-0103 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking.....	88.05	
For <10, Add	11.65	
For >50 To 100, Deduct	-5.82	
For >100 To 200, Deduct	-7.77	
For >200, Deduct	-15.53	
32 17 23 13-0104 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	192.97	
For <10, Add	25.52	
For >50 To 100, Deduct	-12.76	
For >100 To 200, Deduct	-17.01	
For >200, Deduct	-34.02	
32 17 23 13-0105 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	247.28	
For <10, Add	32.73	
For >50 To 100, Deduct	-16.36	
For >100 To 200, Deduct	-21.82	
For >200, Deduct	-43.64	
32 17 23 13-0106 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	159.33	
For <10, Add	21.08	
For >50 To 100, Deduct	-10.54	
For >100 To 200, Deduct	-14.05	
For >200, Deduct	-28.10	
32 17 23 13-0107 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	209.84	
For <10, Add	27.74	
For >50 To 100, Deduct	-13.87	
For >100 To 200, Deduct	-18.49	
For >200, Deduct	-36.98	
32 17 23 13-0108 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	41.83	
For <10, Add	5.55	
For >50 To 100, Deduct	-2.77	
For >100 To 200, Deduct	-3.70	
For >200, Deduct	-7.40	
32 17 23 13-0109 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking	399.80	
Note: Excludes variable width transverse lines.		
For <10, Add	52.70	
For >50 To 100, Deduct	-26.35	
For >100 To 200, Deduct	-35.13	
For >200, Deduct	-70.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0110 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	5.20	
32 17 23 13-0111 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	38.44	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.99	
For >50 To 100, Deduct	-2.00	
For >100 To 200, Deduct	-2.66	
For >200, Deduct	-5.33	
32 17 23 13-0112 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	40.72	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	4.22	
For >50 To 100, Deduct	-2.11	
For >100 To 200, Deduct	-2.81	
For >200, Deduct	-5.62	
32 17 23 13-0113 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	66.79	
For <10, Add	8.88	
For >50 To 100, Deduct	-4.44	
For >100 To 200, Deduct	-5.92	
For >200, Deduct	-11.83	
32 17 23 13-0114 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	135.74	
For <10, Add	17.97	
For >50 To 100, Deduct	-8.99	
For >100 To 200, Deduct	-11.98	
For >200, Deduct	-23.96	
32 17 23 13-0115 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	29.44	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	4.22	
For >50 To 100, Deduct	-2.11	
For >100 To 200, Deduct	-2.81	
For >200, Deduct	-5.62	
32 17 23 13-0116 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking.....	5.27	
32 17 23 13-0117 SF CALTRANS Symbols, Painted Reflective Pavement Marking.....	5.87	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0118 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
32 17 23 13-0119 Painted Pavement Marking For Parking Areas (32 17 23 13-0118)		
32 17 23 13-0120 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.84	
32 17 23 13-0121 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.92	
32 17 23 13-0122 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.96	
32 17 23 13-0123 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.08	
32 17 23 13-0124 SF Solid Area, Painted Pavement Marking For Parking Areas.....	4.59	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.21	
For Up To 10, Add	0.44	
For >50 To 100, Deduct	-0.22	
For >100 To 200, Deduct	-0.30	
For >200, Deduct	-0.59	
32 17 23 13-0126 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.38	
For Up To 10, Add	0.67	
For >50 To 100, Deduct	-0.33	
For >100 To 200, Deduct	-0.44	
For >200, Deduct	-0.89	
32 17 23 13-0127 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	9.04	
For Up To 10, Add	1.11	
For >50 To 100, Deduct	-0.56	
For >100 To 200, Deduct	-0.74	
For >200, Deduct	-1.48	
32 17 23 13-0128 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	16.93	
For Up To 10, Add	2.11	
For >50 To 100, Deduct	-1.05	
For >100 To 200, Deduct	-1.41	
For >200, Deduct	-2.81	
32 17 23 13-0129 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	22.54	
For Up To 10, Add	2.88	
For >50 To 100, Deduct	-1.44	
For >100 To 200, Deduct	-1.92	
For >200, Deduct	-3.85	
32 17 23 13-0130 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	27.40	
For Up To 10, Add	3.55	
For >50 To 100, Deduct	-1.77	
For >100 To 200, Deduct	-2.37	
For >200, Deduct	-4.73	
32 17 23 13-0131 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	36.42	
For Up To 10, Add	4.44	
For >50 To 100, Deduct	-2.22	
For >100 To 200, Deduct	-2.96	
For >200, Deduct	-5.92	
32 17 23 13-0132 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	63.50	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	71.92	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	100.64	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	102.58	
Note: Approximate overall dimensions: 7' width x 13' height.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0136 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	132.57	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas.....	26.48	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	18.78	
For Blue Background With White Symbol And Border, Add	23.48	
32 17 23 13-0138 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	37.92	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	37.50	
For Blue Background With White Symbol And Border, Add	46.88	
32 17 23 13-0139 Painted Curbs (32 17 23 13)		
Note: All colors.		
32 17 23 13-0140 LF Reflective Painted Curb	1.98	
32 17 23 13-0141 LF Reflective Painted Curb And Gutter	3.60	
32 17 23 13-0142 LF Painted Curb	1.59	
32 17 23 13-0143 LF Painted Curb And Gutter.....	3.17	
32 17 23 13-0144 Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0145 LF 2" Wide Marking For Outdoor Play Areas	0.72	
32 17 23 13-0146 LF 3" Wide Marking For Outdoor Play Areas	0.82	
32 17 23 13-0147 LF 4" Wide Marking For Outdoor Play Areas	0.93	
32 17 23 13-0148 LF 6" Wide Marking For Outdoor Play Areas	1.08	
32 17 23 13-0149 EA Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	249.91	
32 17 23 23 Raised Pavement Markings (32 17 23)		
32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM).....	3.56	2.13
Note: Type G, H or R		
For >100, Deduct	-0.36	
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM).....	3.73	2.13
Note: Type B, C, D, AC, RA or RR		
For >100, Deduct	-0.37	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	4.37	2.13
For >100, Deduct	-0.44	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	3.34	2.13
Note: Type A or AY		
For >100, Deduct	-0.33	
32 17 23 26 Recessed Pavement Markings (32 17 23)		
32 17 23 26-0001 Recessed (Plowable) Pavement Markers (32 17 23 26)		
32 17 23 26-0002 EA One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	40.24	
Note: Type G, H or R		
32 17 23 26-0003 EA Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	40.38	
Note: Type B, C, D, AC, RA or RR		
32 17 23 26-0004 EA Remove And Replace Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker.....	13.69	
32 17 23 26-0005 EA Remove And Replace Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker.....	17.67	
32 17 23 26-0006 EA Remove Recessed (Plowable) Pavement Marker.....	2.36	
32 17 23 33 Plastic Pavement Markings (32 17 23)		
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)		
Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)		
Note: 90 mil thickness.		
32 17 23 33-0003 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	0.85	
For Up To 1 Mile, Add	0.17	
For >5 Miles, Deduct	-0.13	
For 60 mils Thick, Deduct	-0.11	
For 125 mils Thick, Add	0.14	
For Broken Line (25% Solid), Deduct	-0.47	
32 17 23 33-0004 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.22	
For Up To 1 Mile, Add	0.24	
For >5 Miles, Deduct	-0.18	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.21	
For Broken Line (25% Solid), Deduct	-0.71	
32 17 23 33-0005 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.60	
For Up To 1 Mile, Add	0.32	
For >5 Miles, Deduct	-0.24	
For 60 mils Thick, Deduct	-0.22	
For 125 mils Thick, Add	0.28	
For Broken Line (25% Solid), Deduct	-0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0006 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.34	
For Up To 1 Mile, Add	0.47	
For >5 Miles, Deduct	-0.35	
For 60 mils Thick, Deduct	-0.33	
For 125 mils Thick, Add	0.43	
For Broken Line (25% Solid), Deduct	-1.43	
32 17 23 33-0007 LF Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.60	
For Up To 1 Mile, Add	0.32	
For >5 Miles, Deduct	-0.24	
For 60 mils Thick, Deduct	-0.22	
For 125 mils Thick, Add	0.28	
For Broken Line On One Side, Deduct	-0.47	
For Double Broken Line, Deduct	-0.95	
32 17 23 33-0008 LF Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.34	
For Up To 1 Mile, Add	0.47	
For >5 Miles, Deduct	-0.35	
For 60 mils Thick, Deduct	-0.33	
For 125 mils Thick, Add	0.43	
For Broken Line On One Side, Deduct	-0.71	
For Double Broken Line, Deduct	-1.43	
32 17 23 33-0009 SF Solid Area, Thermoplastic Reflective Pavement Marking	6.33	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
For 60 mils Thick, Deduct	-0.33	
For 125 mils Thick, Add	0.43	
32 17 23 33-0010 EA 6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.30	
For Up To 10, Add	0.50	
For >50 To 100, Deduct	-0.25	
For >100 To 200, Deduct	-0.33	
For >200, Deduct	-0.67	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.22	
32 17 23 33-0011 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	8.53	
For Up To 10, Add	0.75	
For >50 To 100, Deduct	-0.38	
For >100 To 200, Deduct	-0.50	
For >200, Deduct	-1.01	
For 60 mils Thick, Deduct	-0.61	
For 125 mils Thick, Add	0.79	
32 17 23 33-0012 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	14.48	
For Up To 10, Add	1.25	
For >50 To 100, Deduct	-0.63	
For >100 To 200, Deduct	-0.84	
For >200, Deduct	-1.67	
For 60 mils Thick, Deduct	-1.07	
For 125 mils Thick, Add	1.38	
32 17 23 33-0013 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	27.56	
For Up To 10, Add	2.52	
For >50 To 100, Deduct	-1.26	
For >100 To 200, Deduct	-1.68	
For >200, Deduct	-3.36	
For 60 mils Thick, Deduct	-1.88	
For 125 mils Thick, Add	2.42	
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	32.79	
For Up To 10, Add	2.82	
For >50 To 100, Deduct	-1.41	
For >100 To 200, Deduct	-1.88	
For >200, Deduct	-3.76	
For 60 mils Thick, Deduct	-2.45	
For 125 mils Thick, Add	3.15	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	59.00	
For Up To 10, Add	5.01	
For >50 To 100, Deduct	-2.51	
For >100 To 200, Deduct	-3.34	
For >200, Deduct	-6.69	
For 60 mils Thick, Deduct	-4.47	
For 125 mils Thick, Add	5.75	
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	78.54	
For Up To 10, Add	6.74	
For >50 To 100, Deduct	-3.37	
For >100 To 200, Deduct	-4.49	
For >200, Deduct	-8.98	
For 60 mils Thick, Deduct	-5.89	
For 125 mils Thick, Add	7.57	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	130.71	
For Up To 10, Add	8.34	
For >50 To 100, Deduct	-4.17	
For >100 To 200, Deduct	-5.56	
For >200, Deduct	-11.12	
For 60 mils Thick, Deduct	-13.14	
For 125 mils Thick, Add	16.90	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	7.45	
For 60 mils Thick, Deduct	-0.42	
For 125 mils Thick, Add	0.54	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	50.26	
For 60 mils Thick, Deduct	-2.97	
For 125 mils Thick, Add	3.82	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking.....	196.91	
For 60 mils Thick, Deduct	-9.75	
For 125 mils Thick, Add	12.54	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking.....	61.95	
For 60 mils Thick, Deduct	-2.97	
For 125 mils Thick, Add	3.82	
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking.....	583.76	
For 60 mils Thick, Deduct	-29.67	
For 125 mils Thick, Add	38.15	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking.....	106.34	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-13.43	
For 125 mils Thick, Add	17.27	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking.....	94.18	
For 60 mils Thick, Deduct	-4.66	
For 125 mils Thick, Add	6.00	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking.....	8.56	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.42	
For 125 mils Thick, Add	0.54	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	119.85	
For 60 mils Thick, Deduct	-5.93	
For 125 mils Thick, Add	7.63	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	214.03	
For 60 mils Thick, Deduct	-10.60	
For 125 mils Thick, Add	13.63	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	265.39	
For 60 mils Thick, Deduct	-13.14	
For 125 mils Thick, Add	16.90	
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking.....	385.25	
For 60 mils Thick, Deduct	-19.08	
For 125 mils Thick, Add	24.53	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking.....	505.11	
For 60 mils Thick, Deduct	-25.01	
For 125 mils Thick, Add	32.16	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking.....	359.57	
For 60 mils Thick, Deduct	-17.80	
For 125 mils Thick, Add	22.89	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking.....	624.97	
For 60 mils Thick, Deduct	-30.95	
For 125 mils Thick, Add	39.79	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking.....	128.42	
For 60 mils Thick, Deduct	-6.36	
For 125 mils Thick, Add	8.18	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking.....	282.52	
For 60 mils Thick, Deduct	-13.99	
For 125 mils Thick, Add	17.99	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking.....	359.57	
For 60 mils Thick, Deduct	-17.80	
For 125 mils Thick, Add	22.89	
32 17 23 33-0036 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking.....	231.15	
For 60 mils Thick, Deduct	-11.45	
For 125 mils Thick, Add	14.72	
32 17 23 33-0037 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking.....	308.20	
For 60 mils Thick, Deduct	-15.26	
For 125 mils Thick, Add	19.62	
32 17 23 33-0038 EA 5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking.....	59.94	
For 60 mils Thick, Deduct	-2.97	
For 125 mils Thick, Add	3.82	
32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0040 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.19	
For 60 mils Thick, Deduct	-0.11	
For 125 mils Thick, Add	0.14	
32 17 23 33-0041 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.73	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.21	
32 17 23 33-0042 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.33	
For 60 mils Thick, Deduct	-0.22	
For 125 mils Thick, Add	0.28	
32 17 23 33-0043 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	4.77	
For 60 mils Thick, Deduct	-0.33	
For 125 mils Thick, Add	0.43	
32 17 23 33-0044 LF Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	8.46	
For 60 mils Thick, Deduct	-0.66	
For 125 mils Thick, Add	0.85	
32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0046 LF Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	1.78	
For Up To 1 Mile, Add	0.36	
For >5 Miles, Deduct	-0.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0047 LF Single 6" Wide Solid Line, Prefomed Tape, Patterned Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	2.62 0.52 -0.39	
32 17 23 33-0048 LF Single 8" Wide Solid Line, Prefomed Tape, Patterned Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	3.48 0.70 -0.52	
32 17 23 33-0049 LF Single 12" Wide Solid Line, Prefomed Tape, Patterned Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i> <i>For >5 Miles, Deduct</i>	5.14 1.03 -0.77	
32 17 23 33-0050 SF Prefomed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	15.24	
32 17 23 33-0051 EA 6" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	22.48 0.91 -0.45 -0.61 -1.21	
32 17 23 33-0052 EA 12" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	38.94 1.15 -0.58 -0.77 -1.54	
32 17 23 33-0053 EA 24" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	67.42 2.29 -1.14 -1.52 -3.05	
32 17 23 33-0054 EA 36" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	99.44 4.57 -2.29 -3.05 -6.09	
32 17 23 33-0055 EA 48" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	116.18 5.13 -2.56 -3.42 -6.84	
32 17 23 33-0056 EA 72" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	152.96 9.12 -4.56 -6.08 -12.16	
32 17 23 33-0057 EA 96" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	196.07 12.25 -6.12 -8.17 -16.33	
32 17 23 33-0058 EA 120" High, Prefomed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	245.47 15.18 -7.59 -10.12 -20.24	
32 17 23 33-0059 SF Prefomed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	15.83	
32 17 23 33-0060 SF Prefomed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	16.94	
32 17 23 33-0061 Prefomed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small> Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0062 EA Prefomed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	110.80	
32 17 23 33-0063 EA Prefomed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	290.82	
32 17 23 33-0064 EA Prefomed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	71.93	
32 17 23 33-0065 EA 6' Height, Prefomed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	66.75	
32 17 23 33-0066 EA 9-1/2' Height, Prefomed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	106.60	
32 17 23 33-0067 EA 4' Height, Prefomed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 8' height.	72.79	
32 17 23 33-0068 EA 8' Height, Prefomed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	115.53	
32 17 23 33-0069 EA Prefomed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	179.67	
32 17 23 33-0070 EA Prefomed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	256.53	
32 17 23 33-0071 EA Prefomed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	113.85	
32 17 23 33-0072 EA Prefomed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	122.78	
32 17 23 33-0073 EA Prefomed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	201.17	
32 17 23 33-0074 EA Prefomed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	187.81	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0075	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	190.03	
		Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0076	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	243.47	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0077		Pavement Marking (Monterey County) (32 17 23 33-0001)		
32 17 23 33-0078	SF	Thermoplastic Pavement Marking (Monterey County).....	6.51	
32 17 23 33-0079		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
32 17 23 33-0080		Thermoplastic Pavement Marking Tape For Parking Areas (32 17 23 33-0079)		
		Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0081	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	43.83	
		Note: White or blue symbol. Excludes striping.		
32 17 23 33-0082	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	130.42	
32 17 23 33-0083	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	80.72	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0084	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	94.78	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0085	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	98.97	
32 17 26		Tactile Warning Surfaces (32 17)		
32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26)		
		Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface.....	52.11	6.95
		Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF	Cast In Place VPC Truncated Dome Detectable Warning Surface.....	43.07	6.95
		Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004	EA	30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset.....	235.55	
32 17 26 00-0005	LF	24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete.....	56.24	13.88
32 17 26 00-0006		Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) (32 17 26)		
		Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	46.66	6.95
		Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 17 26 00-0008	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	40.40	6.95
		Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 18		Athletic And Recreational Surfacing (32 10)		
32 18 16		Synthetic Resilient Surfacing (32 18)		
32 18 16 13		Playground Protective Surfacing (32 18 16)		
32 18 16 13-0001		Tile Playground Surface Material (32 18 16 13)		
		Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile.....	12.57	1.91
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.37	
		For Mechanically Fastened, Add	1.55	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile.....	12.93	2.03
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.37	
		For Mechanically Fastened, Add	1.62	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile.....	13.65	2.26
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.37	
		For Mechanically Fastened, Add	1.76	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile.....	14.37	2.51
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.37	
		For Mechanically Fastened, Add	1.91	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile.....	15.97	2.75
<i>For Manufacturer's Standard Colors, Add</i>	0.46	
<i>For Interlocking Tiles, Add</i>	1.54	
<i>For Mechanically Fastened, Add</i>	2.05	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile.....	16.76	3.01
<i>For Manufacturer's Standard Colors, Add</i>	0.46	
<i>For Interlocking Tiles, Add</i>	1.54	
<i>For Mechanically Fastened, Add</i>	2.21	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile.....	17.59	3.29
<i>For Manufacturer's Standard Colors, Add</i>	0.46	
<i>For Interlocking Tiles, Add</i>	1.54	
<i>For Mechanically Fastened, Add</i>	2.37	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile.....	19.24	3.52
<i>For Manufacturer's Standard Colors, Add</i>	0.26	
<i>For Interlocking Tiles, Add</i>	1.72	
<i>For Mechanically Fastened, Add</i>	2.53	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile.....	19.96	3.81
<i>For Manufacturer's Standard Colors, Add</i>	0.26	
<i>For Interlocking Tiles, Add</i>	1.72	
<i>For Mechanically Fastened, Add</i>	2.67	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile.....	20.74	4.02
<i>For Manufacturer's Standard Colors, Add</i>	0.26	
<i>For Interlocking Tiles, Add</i>	1.72	
<i>For Mechanically Fastened, Add</i>	2.83	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	23.73	4.53
<i>For Manufacturer's Standard Colors, Add</i>	0.25	
<i>For Interlocking Tiles, Add</i>	2.02	
<i>For Mechanically Fastened, Add</i>	3.13	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0013 Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
<i>Note: Excludes sub base.</i>		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface.....	1.18	0.29
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface.....	1.54	0.36
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface.....	1.92	0.43
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface.....	2.73	0.65
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	1.76	0.29
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	2.17	0.36
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	3.22	0.43
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	4.10	0.65
32 18 16 13-0022 SF 8" FIBAR System.....	9.39	1.08
<i>Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.</i>		
32 18 16 13-0023 SF 12" FIBAR System.....	11.90	1.44
<i>Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.</i>		
32 18 16 13-0024 Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
<i>Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.</i>		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing.....	10.97	2.07
<i>For Up To 2,000, Add</i>	2.64	
<i>For >2,000 To 3,000, Add</i>	1.85	
<i>For >3,000 To 4,000, Add</i>	1.25	
<i>For >4,000 To 5,000, Add</i>	0.80	
<i>For >5,000 To 7,000, Add</i>	0.33	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.14	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing.....	11.31	2.29
<i>For Up To 2,000, Add</i>	2.72	
<i>For >2,000 To 3,000, Add</i>	1.90	
<i>For >3,000 To 4,000, Add</i>	1.29	
<i>For >4,000 To 5,000, Add</i>	0.82	
<i>For >5,000 To 7,000, Add</i>	0.34	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.14	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing.....	12.22	2.62
<i>For Up To 2,000, Add</i>	2.94	
<i>For >2,000 To 3,000, Add</i>	2.06	
<i>For >3,000 To 4,000, Add</i>	1.39	
<i>For >4,000 To 5,000, Add</i>	0.89	
<i>For >5,000 To 7,000, Add</i>	0.36	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.14	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 18	Athletic And Recreational Surfacing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	13.20	2.79
For Up To 2,000, Add	3.18	
For >2,000 To 3,000, Add	2.22	
For >3,000 To 4,000, Add	1.50	
For >4,000 To 5,000, Add	0.96	
For >5,000 To 7,000, Add	0.39	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	14.17	2.93
For Up To 2,000, Add	3.41	
For >2,000 To 3,000, Add	2.39	
For >3,000 To 4,000, Add	1.61	
For >4,000 To 5,000, Add	1.03	
For >5,000 To 7,000, Add	0.42	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	15.01	3.10
For Up To 2,000, Add	3.61	
For >2,000 To 3,000, Add	2.53	
For >3,000 To 4,000, Add	1.71	
For >4,000 To 5,000, Add	1.09	
For >5,000 To 7,000, Add	0.45	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	15.99	3.27
For Up To 2,000, Add	3.85	
For >2,000 To 3,000, Add	2.69	
For >3,000 To 4,000, Add	1.82	
For >4,000 To 5,000, Add	1.16	
For >5,000 To 7,000, Add	0.48	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	17.92	3.67
For Up To 2,000, Add	4.31	
For >2,000 To 3,000, Add	3.02	
For >3,000 To 4,000, Add	2.04	
For >4,000 To 5,000, Add	1.30	
For >5,000 To 7,000, Add	0.53	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing	7.17	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	2.65	
For >2,000 To 3,000, Add	1.70	
For >3,000 To 4,000, Add	1.03	
For >4,000 To 5,000, Add	0.62	
For >5,000 To 7,000, Add	0.28	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	2,034.32	

32 18 23 Athletic Surfacing (32 18)**32 18 23 13 Baseball Field Surfacing (32 18 23)****32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)**

32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag)	9.28
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag)	9.28
32 18 23 13-0004 CY Playing Field Maintenance Of Clay	67.77

32 18 23 23 Field Sport Surfacing (32 18 23)**32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)**

32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration)	125.03
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand.....	11.73

32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)**32 18 23 29-0001 Synthetic Turf (32 18 23 29)****32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)**

Note: Includes labor, equipment and material required to install the task.

**32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay
Grass™ MT) (32 18 23 29-0002)****32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf
(AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)**



Exterior Improvements			32
Bases, Ballasts, And Paving			32 10
Athletic And Recreational Surfacing			32 18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0005	SF		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	3.88	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0006	EA		Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	13,725.94	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	11,187.94	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,366.74	
			Note: Per sport.		
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	1,243.10	
			Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,191.31	
			Note: Per endzone.		
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	10,359.20	
			Note: Block letter.		
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	15,020.84	
			Note: Graphic.		
32 18 23 29-0013			41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.42	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	13,985.00	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	11,602.37	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,625.74	
			Note: Per sport.		
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	1,346.70	
			Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,243.11	
			Note: Per endzone.		
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	10,877.23	
			Note: Block letter.		
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields	15,771.98	
			Note: Graphic.		
32 18 23 29-0022			45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.54	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	14,243.99	
32 18 23 29-0025	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,534.71	
32 18 23 29-0026	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	3,884.72	
			Note: Per sport.		
32 18 23 29-0027	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,450.30	
			Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,294.91	
			Note: Per endzone.		
32 18 23 29-0029	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	11,395.19	
			Note: Block letter.		
32 18 23 29-0030	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	16,523.02	
			Note: Graphic.		
32 18 23 29-0031			Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032			52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.27	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	14,761.86	
32 18 23 29-0035	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,745.98	
32 18 23 29-0036	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,402.66	
			Note: Per sport.		
32 18 23 29-0037	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,657.47	
			Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,398.49	
			Note: Per endzone.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0039 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Block letter.	12,431.04	
32 18 23 29-0040 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Graphic.	18,025.01	
32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)		
32 18 23 29-0042 SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60).....	5.51	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0043 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	15,020.84	
32 18 23 29-0044 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,507.05	
32 18 23 29-0045 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per sport.	4,661.64	
32 18 23 29-0046 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per letter. Excludes outline.	1,761.06	
32 18 23 29-0047 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per endzone.	1,450.29	
32 18 23 29-0048 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Block letter.	12,949.00	
32 18 23 29-0049 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Graphic.	18,776.05	
32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)		
32 18 23 29-0051 SF 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.52	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0052 EA Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	15,279.82	
32 18 23 29-0053 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	17,610.64	
32 18 23 29-0054 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	4,920.62	
Note: Per sport.		
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per letter. Excludes outline.	1,864.66	
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	1,502.08	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Block letter.	13,466.96	
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Graphic.	19,527.09	
32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	5.65	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,538.80	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	18,750.15	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	5,179.60	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Per letter. Excludes outline.	2,071.84	
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields	1,553.88	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Block letter.	13,984.92	
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Graphic.	20,278.13	
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.19	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	13,208.06	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	9,737.71	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	2,848.80	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,035.93	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,087.72	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	9,323.34	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,518.84	
Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	3.72	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	13,466.96	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	10,359.20	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	3,107.76	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,139.51	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,139.51	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	9,841.24	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,269.80	
Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	8.72	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	7.66	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields.....	25,557.95	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields.....	30,363.72	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields	7,427.10	
Note: Per sport.		
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	2,839.77	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields	2,107.87	
Note: Per endzone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	18,970.85	
Note: Block letter.		
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields.....	27,851.61	
Note: Graphic.		
32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	5.66	
Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
<i>For >35,000, Deduct</i>	-0.53	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)	5.61	
Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
<i>For >35,000, Deduct</i>	-0.52	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf)	5.83	
Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf.....	35,332.99	
Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf	15,310.96	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf	15,310.96	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf	15,310.96	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf.....	1,766.65	
Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.65	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 18	Athletic And Recreational Surfacing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.32	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.23	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf	0.62	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf	1.02	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf.....	1,177.77	
Note: Includes a comprehensive report.		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf.....	11,777.66	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf	0.39	
Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
For >10,000 To 30,000, Deduct	-0.16	
For >30,000 To 60,000, Deduct	-0.27	
For >60,000, Deduct	-0.30	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill	2.64	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill	2.93	
Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf	2.41	
Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf.....	1.48	
Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf.....	2,347.20	
Note: Includes field inspection and report.		
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf.....	6.45	
Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121 LF Nailers Used To Attach G9 Synthetic Turf	2.58	
32 18 23 29-0122 SF Remove And Recycle Existing Field	1.82	
Note: Includes removal, shipping and recycling of infill, fibers and backing.		
32 18 23 33 Running Track Surfacing (32 18 23)		
32 18 23 33-0001 Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....	27.17	
32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track	14.77	
Note: Includes certification.		
32 18 23 39 Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39)		
Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	36.93	
For >5,500, Deduct	-4.06	
For Up To 4,000, Add	12.93	
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	49.57	
For >5,500, Deduct	-5.45	
For Up To 4,000, Add	17.35	
For Custom Color Upgrade, Add	4.71	
For Aliphatic Top Coating, Add	8.92	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500).....	83.30	
For >5,500, Deduct	-5.00	
For Up To 4,000, Add	29.16	
For Custom Color Upgrade, Add	6.41	
For Aliphatic Top Coating, Add	11.91	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000).....	107.60	
For >5,500, Deduct	-6.46	
For Up To 4,000, Add	37.66	
For Custom Color Upgrade, Add	8.39	
For Aliphatic Top Coating, Add	12.27	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning).....	33.64	
For >5,500, Deduct	-3.70	
For Up To 4,000, Add	11.77	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator).....	37.87	
For >5,500, Deduct	-5.49	
For Up To 4,000, Add	13.25	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks.....	33.26	
For Up To 4,000, Add	11.64	
For >5,500, Deduct	-3.25	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Athletic And Recreational Surfacing	32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks <i>For Up To 4,000, Add</i> <i>For >5,500, Deduct</i>	64.38 22.53 -6.79	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks Note: Two layers. <i>For Up To 4,000, Add</i> <i>For >5,500, Deduct</i>	18.73 6.56 -3.10	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks Note: Two layers. <i>For Up To 4,000, Add</i> <i>For >5,500, Deduct</i>	22.80 7.98 -3.10	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track Note: Includes two coats of acrylic resurfacer and two coats of color. <i>For College Track Restriping, Add</i>	7,741.25 1,407.50	
32 18 23 53 Tennis Court Surfacing (32 18 23)		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick	29.59	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats	391.75	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)		
32 18 23 56-0001 SY Clay Tennis Court	42.30	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	47.08	
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement	17.36	
32 18 23 56-0004 SY Resurface Clay Tennis Court	12.18	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone	10.30	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement	6.50	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (California Products Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.90	
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	0.63	
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.29	
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	93.86	
32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001) Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee. <i>For Pacific Blue, Add</i> <i>For US Open Blue, Add</i>	2.38 0.13 0.44	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee. <i>For Pacific Blue, Add</i> <i>For US Open Blue, Add</i>	1.95 0.09 0.32	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee. <i>For Pacific Blue, Add</i> <i>For US Open Blue, Add</i>	1.71 0.07 0.25	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.71	
		Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
		For Pacific Blue, Add	0.04	
		For US Open Or Australian Open Blue, Add	0.30	
		For Pro Purple, Add	0.66	
32 18 23 61-0012		Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013	SY	Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat.....	1.10	
		Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.		
32 18 23 61-0014		Line Striping For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0015	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®).....	5.01	
		Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0016		Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	3.49	
		Note: Applied with rubber squeegee.		
32 18 23 61-0018	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	4.71	
		Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	4.07	
		Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	3.09	
		Note: Applied with rubber squeegee.		
32 18 23 61-0021	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	2.39	
		Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 30 Site Improvements (32)**32 31 Fences And Gates** (32 30)**32 31 11 Gate Operators** (32 31)**32 31 11 00-0001 Gate Operators** (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Swing Gate Actuator (32 31 11 00-0001)**32 31 11 00-0003 Single Gate, Swing Gate Actuator** (32 31 11 00-0002)

32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 1,025.49 175.24

Note: Includes one primary operator with a 10' wide gate capacity.

32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 1,317.99 175.24

Note: Includes one primary operator with a 14' wide gate capacity.

32 31 11 00-0006 Dual Gate, Swing Gate Actuator (32 31 11 00-0002)

32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 2,050.98 350.49

Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.

32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) 2,635.98 350.49

Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.

32 31 11 00-0009 Swing Gate Operators (32 31 11 00-0001)**32 31 11 00-0010 Single Gate, Swing Gate Operators** (32 31 11 00-0009)

32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) 1,940.49 175.24

Note: Includes one primary operator with a 10' wide and 400# gate capacity.

32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) 2,097.99 175.24

Note: Includes one primary operator with a 14' wide and 500# gate capacity.

32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) 2,795.49 175.24

Note: Includes one primary operator with an 18' wide and 700# gate capacity.

For 208/230/460 Volt AC, Add 322.50



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary operator with a 22' wide and 800# gate capacity. For 208/230/460 Volt AC, Add	3,147.99 322.50	175.24
32 31 11 00-0015		Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)..... Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.	3,468.48	350.49
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)..... Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.	3,783.48	350.49
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity. For 208/230/460 Volt AC, Add	5,170.98 322.50	350.49
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)..... Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity. For 208/230/460 Volt AC, Add	5,943.48 322.50	350.49
32 31 11 00-0020		Sliding Gate Operators (32 31 11 00-0001) Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,587.99	175.24
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)..... Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,220.59	210.29
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)..... Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	2,745.59	210.29
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	3,584.43	245.34
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)..... Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,394.43	245.34
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	5,994.53	280.39
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	10,010.78	280.39
32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)..... Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	16,965.88	315.44
32 31 11 00-0029		Accessories For Gate Actuators And Operators (32 31 11 00-0001)		
32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	394.96	
32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	774.18	
32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	440.20	
32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	502.79	
32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	457.79	
32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	349.04	
32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators.....	5.58	
32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators.....	4.45	
32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators.....	6.20	
32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators.....	5.89	
32 31 13		Chain Link Fences And Gates (32 31)		
32 31 13 13		Chain Link Fences And Gates (32 31 13)		
32 31 13 13-0001		Post Holes (32 31 13 13) Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0070 for core drilling in concrete, 02 41 19 13-0208 for core drilling in asphalt.		
32 31 13 13-0002		Drilling Post Hole In Soil (32 31 13 13-0001) Note: Auger by machine unless otherwise notified by owner.		
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	7.44	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	8.38	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.92	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.16	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	12.18	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.40	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.89	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.74	
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	19.14	
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.33	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.79	
32 31 13 13-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	33.49	
32 31 13 13-0015 Drilling Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016 CF Jackhammer Post Hole, Rock.....	55.52	
32 31 13 13-0017 CF Rock Drill Post Hole, Rock.....	16.20	
32 31 13 13-0018 Post Hole Fill (32 31 13 13-0001) See CSI section 03 21 00 00-0000 for reinforcing steel.		
32 31 13 13-0019 Concrete Fill (32 31 13 13-0018)		
32 31 13 13-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole	4.59	
32 31 13 13-0021 VLF Concrete Fill, 2-1/2" Diameter Hole.....	5.89	
32 31 13 13-0022 VLF Concrete Fill, 3" Diameter Hole.....	6.48	
32 31 13 13-0023 VLF Concrete Fill, 4" Diameter Hole.....	7.43	
32 31 13 13-0024 VLF Concrete Fill, 6" Diameter Hole.....	10.48	
32 31 13 13-0025 VLF Concrete Fill, 8" Diameter Hole.....	13.98	
32 31 13 13-0026 VLF Concrete Fill, 10" Diameter Hole.....	17.10	
32 31 13 13-0027 VLF Concrete Fill, 12" Diameter Hole.....	19.93	
32 31 13 13-0028 VLF Concrete Fill, 18" Diameter Hole.....	27.10	
32 31 13 13-0029 VLF Concrete Fill, 24" Diameter Hole.....	33.57	
32 31 13 13-0030 VLF Concrete Fill, 30" Diameter Hole.....	39.88	
32 31 13 13-0031 VLF Concrete Fill, 36" Diameter Hole.....	46.43	
32 31 13 13-0032 Grout Fill (32 31 13 13-0018)		
32 31 13 13-0033 VLF Grout Fill, Up To 2-1/2" Diameter Hole	5.44	
32 31 13 13-0034 VLF Grout Fill, 2-1/2" Diameter Hole	7.02	
32 31 13 13-0035 VLF Grout Fill, 3" Diameter Hole	7.64	
32 31 13 13-0036 VLF Grout Fill, 4" Diameter Hole	8.58	
32 31 13 13-0037 VLF Grout Fill, 6" Diameter Hole	11.96	
32 31 13 13-0038 VLF Grout Fill, 8" Diameter Hole	15.97	
32 31 13 13-0039 VLF Grout Fill, 10" Diameter Hole	19.44	
32 31 13 13-0040 VLF Grout Fill, 12" Diameter Hole	22.56	
32 31 13 13-0041 VLF Grout Fill, 18" Diameter Hole	30.11	
32 31 13 13-0042 VLF Grout Fill, 24" Diameter Hole	36.73	
32 31 13 13-0043 VLF Grout Fill, 30" Diameter Hole	43.15	
32 31 13 13-0044 VLF Grout Fill, 36" Diameter Hole	49.71	
32 31 13 13-0045 Earth Fill, Compacted (32 31 13 13-0018)		
32 31 13 13-0046 VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	3.89	
32 31 13 13-0047 VLF Earth Fill, 2-1/2" Diameter Hole.....	5.08	
32 31 13 13-0048 VLF Earth Fill, 3" Diameter Hole.....	5.31	
32 31 13 13-0049 VLF Earth Fill, 4" Diameter Hole.....	5.47	
32 31 13 13-0050 VLF Earth Fill, 6" Diameter Hole.....	7.30	
32 31 13 13-0051 VLF Earth Fill, 8" Diameter Hole.....	9.74	
32 31 13 13-0052 VLF Earth Fill, 10" Diameter Hole.....	11.68	
32 31 13 13-0053 VLF Earth Fill, 12" Diameter Hole.....	13.24	
32 31 13 13-0054 VLF Earth Fill, 18" Diameter Hole.....	16.14	
32 31 13 13-0055 VLF Earth Fill, 24" Diameter Hole.....	18.10	
32 31 13 13-0056 VLF Earth Fill, 30" Diameter Hole.....	19.86	
32 31 13 13-0057 VLF Earth Fill, 36" Diameter Hole.....	21.42	
32 31 13 13-0058 Fence Posts (32 31 13 13) Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts (32 31 13 13-0058)		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0059) Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	9.23	2.24
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length	8.60	1.91
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length	7.81	1.58
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length	7.19	1.25
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length	6.77	1.08
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length	6.12	0.75
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059) Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	6.79	2.08
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.67	
32 31 13 13-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	6.14	1.75
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.61	
32 31 13 13-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	5.43	1.42
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.54	
32 31 13 13-0071 LF 1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	4.88	1.08
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.48	
32 31 13 13-0072 LF 1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.50	0.91
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.45	
32 31 13 13-0073 LF 1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	4.09	0.75
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.40	
32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)		
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075 LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	7.51	2.17
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.97	
32 31 13 13-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	6.93	1.84
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.91	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0077	LF		2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	6.17	1.50
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.83	
32 31 13 13-0078	LF		2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.58	1.17
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.77	
32 31 13 13-0079	LF		2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	5.18	1.00
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.73	
32 31 13 13-0080	LF		2" Outside Diameter Galvanized Steel Post, >24' In Length	4.82	0.84
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.70	
32 31 13 13-0081			Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082	LF		2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	8.80	2.33
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.50	
32 31 13 13-0083	LF		2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	8.17	2.00
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.44	
32 31 13 13-0084	LF		2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	7.38	1.58
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.36	
32 31 13 13-0085	LF		2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	6.76	1.25
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.29	



Exterior Improvements	32	32
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	6.34	1.08
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.25	
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.94	0.84
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.21	
32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) <small>(32 31 13 13-0059)</small>		
<small>Note: 3" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	11.36	2.50
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.55	
32 31 13 13-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	10.67	2.17
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.48	
32 31 13 13-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	9.83	1.75
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.40	
32 31 13 13-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	9.13	1.42
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.33	
32 31 13 13-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.67	1.17
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.28	
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length.....	8.24	0.91
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.24	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0095		Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) (32 31 13 13-0059) Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
	32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	15.60 2.60 5.10 11.25 2.59 6.20 8.27 12.93 -2.07 5.49	2.66
	32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	14.73 2.60 5.10 11.25 2.59 6.20 8.27 12.93 -2.07 5.40	2.17
	32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	13.99 2.60 5.10 11.25 2.59 6.20 8.27 12.93 -2.07 5.33	1.84
	32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	13.27 2.60 5.10 11.25 2.59 6.20 8.27 12.93 -2.07 5.26	1.50
	32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	13.27 2.60 5.10 11.25 2.59 6.20 8.27 12.93 -2.07 5.26	1.50
	32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	12.42 2.60 5.10 11.25 2.59 6.20 8.27 12.93 -2.07 5.17	1.08
32 31 13	13-0102		Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0059) Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
	32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	27.76 4.55 7.15 14.95 5.48 13.15 17.54 27.40 -4.38 11.11	2.92
	32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	26.82 4.55 7.15 14.95 5.48 13.15 17.54 27.40 -4.38 11.01	2.42



Exterior Improvements	32	32
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	25.98	2.00
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.93	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	25.17	1.58
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.85	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.69	1.42
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.80	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	24.23	1.17
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.75	
32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) <small>(32 31 13 13-0059)</small>		
Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110 LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	51.41	3.25
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	22.21	
32 31 13 13-0111 LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	50.35	2.75
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	22.10	
32 31 13 13-0112 LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	49.42	2.24
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	22.01	
32 31 13 13-0113 LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	48.49	1.75
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.92	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114 LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	48.00	1.50
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.87	
32 31 13 13-0115 LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.49	1.25
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.82	
32 31 13 13-0116 Driven Post Supports (32 31 13 13)		
Note: OZ-Post.		
32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)		
32 31 13 13-0118 EA 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	43.64	
Note: OZ-Post GB-700.		
32 31 13 13-0119 EA 26" Driven Post Support For 1-7/8" Round Chain Link Fence Post.....	43.64	
Note: OZ-Post HB-700.		
32 31 13 13-0120 EA 26" Driven Post Support For 2-3/8" Round Chain Link Fence Post.....	44.46	
Note: OZ-Post IS-600.		
32 31 13 13-0121 EA 32" Driven Post Support For 2-3/8" Round Chain Link Fence Post.....	53.93	
Note: OZ-Post ISW-850.		
32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)		
32 31 13 13-0123 EA 34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	51.46	
Note: OZ-Post C175-850.		
32 31 13 13-0124 EA 24" Driven Post Support For 2" Square Ornamental Fence Post.....	50.23	
Note: OZ-Post I2-600.		
32 31 13 13-0125 EA 34" Driven Post Support For 2" Square Ornamental Fence Post.....	51.71	
Note: OZ-Post I2-850.		
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post.....	53.93	
Note: OZ-Post I25-850.		
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post.....	53.93	
Note: OZ-Post I3-850.		
32 31 13 13-0128 Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	48.03	
Note: OZ-Post T4-600.		
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	52.69	
Note: OZ-Post T4-850.		
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post.....	55.57	
Note: OZ-Post C4-850.		
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post.....	55.58	
Note: OZ-Post P4-850.		
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post.....	60.92	
Note: OZ-Post T46-850.		
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post.....	64.70	
Note: OZ-Post T6-850.		
32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post.....	48.03	
Note: OZ-Post T4-600.		
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post.....	52.69	
Note: OZ-Post T4-850.		
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post.....	55.58	
Note: OZ-Post P4-850.		
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post.....	56.23	
Note: OZ-Post P4-850.		
32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)		
32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0140)		
Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0657 for barb wire attachments.		



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0142 Galvanized <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	19.88	2.83
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.55	
For 13 Gauge Fabric, Deduct	-3.05	
For 11 Gauge Fabric, Deduct	-1.78	
For 6 Gauge Fabric, Add	2.80	
For 1" Mesh Fabric, Add	3.82	
For 1-3/4" Mesh Fabric, Add	1.53	
For 2-1/8" Mesh Fabric, Deduct	-0.76	
For 2-3/8" Mesh Fabric, Deduct	-1.02	
For Posts 8' On Centers, Add	1.13	
For Posts 5' On Centers, Add	4.30	
For Up To 100, Add	4.09	
For >100 To 250, Add	1.55	
For >2,500 To 5,000, Deduct	-0.77	
For >5,000, Deduct	-1.55	
32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	20.65	2.83
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.60	
For 13 Gauge Fabric, Deduct	-3.26	
For 11 Gauge Fabric, Deduct	-1.90	
For 6 Gauge Fabric, Add	2.99	
For 1" Mesh Fabric, Add	4.08	
For 1-3/4" Mesh Fabric, Add	1.63	
For 2-1/8" Mesh Fabric, Deduct	-0.82	
For 2-3/8" Mesh Fabric, Deduct	-1.09	
For Posts 8' On Centers, Add	1.17	
For Posts 5' On Centers, Add	4.45	
For Up To 100, Add	4.22	
For >100 To 250, Add	1.60	
For >2,500 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.60	
32 31 13 13-0145 LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	21.30	2.83
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.64	
For 13 Gauge Fabric, Deduct	-3.43	
For 11 Gauge Fabric, Deduct	-2.00	
For 6 Gauge Fabric, Add	3.15	
For 1" Mesh Fabric, Add	4.29	
For 1-3/4" Mesh Fabric, Add	1.72	
For 2-1/8" Mesh Fabric, Deduct	-0.86	
For 2-3/8" Mesh Fabric, Deduct	-1.14	
For Posts 8' On Centers, Add	1.20	
For Posts 5' On Centers, Add	4.58	
For Up To 100, Add	4.34	
For >100 To 250, Add	1.64	
For >2,500 To 5,000, Deduct	-0.82	
For >5,000, Deduct	-1.64	
32 31 13 13-0146 LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	22.88	2.83
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.74	
For 13 Gauge Fabric, Deduct	-3.84	
For 11 Gauge Fabric, Deduct	-2.25	
For 6 Gauge Fabric, Add	3.53	
For 1" Mesh Fabric, Add	4.81	
For 1-3/4" Mesh Fabric, Add	1.92	
For 2-1/8" Mesh Fabric, Deduct	-0.96	
For 2-3/8" Mesh Fabric, Deduct	-1.28	
For Posts 8' On Centers, Add	1.29	
For Posts 5' On Centers, Add	4.89	
For Up To 100, Add	4.61	
For >100 To 250, Add	1.74	
For >2,500 To 5,000, Deduct	-0.87	
For >5,000, Deduct	-1.74	
32 31 13 13-0147 LF 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	24.84	2.83
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.87	
For 13 Gauge Fabric, Deduct	-4.26	
For 11 Gauge Fabric, Deduct	-2.49	
For 6 Gauge Fabric, Add	3.91	
For 1" Mesh Fabric, Add	5.33	
For 1-3/4" Mesh Fabric, Add	2.13	
For 2-1/8" Mesh Fabric, Deduct	-1.07	
For 2-3/8" Mesh Fabric, Deduct	-1.42	
For Posts 8' On Centers, Add	1.39	
For Posts 5' On Centers, Add	5.29	
For Up To 100, Add	4.98	
For >100 To 250, Add	1.87	
For >2,500 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-1.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0148	LF	7'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	26.00	4.25
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.95	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.50	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.63	
			<i>For 6 Gauge Fabric, Add</i>	4.13	
			<i>For 1" Mesh Fabric, Add</i>	5.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.13	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.50	
			<i>For Posts 8' On Centers, Add</i>	1.46	
			<i>For Posts 5' On Centers, Add</i>	5.53	
			<i>For Up To 100, Add</i>	5.21	
			<i>For >100 To 250, Add</i>	1.95	
			<i>For >2,500 To 5,000, Deduct</i>	-0.98	
			<i>For >5,000, Deduct</i>	-1.95	
32 31 13 13-0149	LF	8'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.09	4.96
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.15	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.08	
			<i>For 6 Gauge Fabric, Add</i>	4.84	
			<i>For 1" Mesh Fabric, Add</i>	6.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.32	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.76	
			<i>For Posts 8' On Centers, Add</i>	1.62	
			<i>For Posts 5' On Centers, Add</i>	6.14	
			<i>For Up To 100, Add</i>	5.75	
			<i>For >100 To 250, Add</i>	2.15	
			<i>For >2,500 To 5,000, Deduct</i>	-1.08	
			<i>For >5,000, Deduct</i>	-2.15	
32 31 13 13-0150	LF	9'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	31.09	6.37
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.28	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.74	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.35	
			<i>For 6 Gauge Fabric, Add</i>	5.27	
			<i>For 1" Mesh Fabric, Add</i>	7.19	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.44	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.92	
			<i>For Posts 8' On Centers, Add</i>	1.73	
			<i>For Posts 5' On Centers, Add</i>	6.54	
			<i>For Up To 100, Add</i>	6.12	
			<i>For >100 To 250, Add</i>	2.28	
			<i>For >2,500 To 5,000, Deduct</i>	-1.14	
			<i>For >5,000, Deduct</i>	-2.28	
32 31 13 13-0151	LF	10'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.09	7.08
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.42	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.21	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.63	
			<i>For 6 Gauge Fabric, Add</i>	5.70	
			<i>For 1" Mesh Fabric, Add</i>	7.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.07	
			<i>For Posts 8' On Centers, Add</i>	1.84	
			<i>For Posts 5' On Centers, Add</i>	6.95	
			<i>For Up To 100, Add</i>	6.49	
			<i>For >100 To 250, Add</i>	2.42	
			<i>For >2,500 To 5,000, Deduct</i>	-1.21	
			<i>For >5,000, Deduct</i>	-2.42	
32 31 13 13-0152	LF	12'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	36.80	8.49
			<i>For Each Additional Foot >12, Add</i>	3.40	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.67	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.05	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
			<i>For 6 Gauge Fabric, Add</i>	6.48	
			<i>For 1" Mesh Fabric, Add</i>	8.83	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.77	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.35	
			<i>For Posts 8' On Centers, Add</i>	2.04	
			<i>For Posts 5' On Centers, Add</i>	7.70	
			<i>For Up To 100, Add</i>	7.17	
			<i>For >100 To 250, Add</i>	2.67	
			<i>For >2,500 To 5,000, Deduct</i>	-1.33	
			<i>For >5,000, Deduct</i>	-2.67	

32 31 13 13-0153 Vinyl Coated (32 31 13 13-0141)



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0154 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	22.18	2.83
For Powder Coated Framework (Posts, Rails, Hardware), Add	1.61	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.68	
For 13 Gauge Fabric, Deduct	-3.73	
For 11 Gauge Fabric, Deduct	-2.18	
For 6 Gauge Fabric, Add	3.43	
For 1" Mesh Fabric, Add	4.67	
For 1-3/4" Mesh Fabric, Add	1.87	
For 2-1/8" Mesh Fabric, Deduct	-0.93	
For 2-3/8" Mesh Fabric, Deduct	-1.25	
For Posts 8' On Centers, Add	1.25	
For Posts 5' On Centers, Add	4.74	
For Up To 100, Add	4.47	
For >100 To 250, Add	1.68	
For >2,500 To 5,000, Deduct	-0.84	
For >5,000, Deduct	-1.68	
32 31 13 13-0155 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	23.98	2.83
For Powder Coated Framework (Posts, Rails, Hardware), Add	1.82	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.79	
For 13 Gauge Fabric, Deduct	-4.23	
For 11 Gauge Fabric, Deduct	-2.47	
For 6 Gauge Fabric, Add	3.88	
For 1" Mesh Fabric, Add	5.29	
For 1-3/4" Mesh Fabric, Add	2.12	
For 2-1/8" Mesh Fabric, Deduct	-1.06	
For 2-3/8" Mesh Fabric, Deduct	-1.41	
For Posts 8' On Centers, Add	1.34	
For Posts 5' On Centers, Add	5.08	
For Up To 100, Add	4.78	
For >100 To 250, Add	1.79	
For >2,500 To 5,000, Deduct	-0.90	
For >5,000, Deduct	-1.79	
32 31 13 13-0156 LF 6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	27.10	2.83
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.18	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.98	
For 13 Gauge Fabric, Deduct	-5.05	
For 11 Gauge Fabric, Deduct	-2.95	
For 6 Gauge Fabric, Add	4.63	
For 1" Mesh Fabric, Add	6.32	
For 1-3/4" Mesh Fabric, Add	2.53	
For 2-1/8" Mesh Fabric, Deduct	-1.26	
For 2-3/8" Mesh Fabric, Deduct	-1.68	
For Posts 8' On Centers, Add	1.51	
For Posts 5' On Centers, Add	5.70	
For Up To 100, Add	5.32	
For >100 To 250, Add	1.98	
For >2,500 To 5,000, Deduct	-0.99	
For >5,000, Deduct	-1.98	
32 31 13 13-0157 LF 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	28.62	4.25
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.34	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.08	
For 13 Gauge Fabric, Deduct	-5.41	
For 11 Gauge Fabric, Deduct	-3.16	
For 6 Gauge Fabric, Add	4.97	
For 1" Mesh Fabric, Add	6.77	
For 1-3/4" Mesh Fabric, Add	2.71	
For 2-1/8" Mesh Fabric, Deduct	-1.35	
For 2-3/8" Mesh Fabric, Deduct	-1.81	
For Posts 8' On Centers, Add	1.59	
For Posts 5' On Centers, Add	6.00	
For Up To 100, Add	5.60	
For >100 To 250, Add	2.08	
For >2,500 To 5,000, Deduct	-1.04	
For >5,000, Deduct	-2.08	
32 31 13 13-0158 LF 8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.14	4.96
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.73	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.30	
For 13 Gauge Fabric, Deduct	-6.33	
For 11 Gauge Fabric, Deduct	-3.70	
For 6 Gauge Fabric, Add	5.82	
For 1" Mesh Fabric, Add	7.93	
For 1-3/4" Mesh Fabric, Add	3.17	
For 2-1/8" Mesh Fabric, Deduct	-1.59	
For 2-3/8" Mesh Fabric, Deduct	-2.11	
For Posts 8' On Centers, Add	1.77	
For Posts 5' On Centers, Add	6.69	
For Up To 100, Add	6.21	
For >100 To 250, Add	2.30	
For >2,500 To 5,000, Deduct	-1.15	
For >5,000, Deduct	-2.30	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0159	LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.36	6.37
	<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.97	
	<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.45	
	<i>For 13 Gauge Fabric, Deduct</i>	-6.88	
	<i>For 11 Gauge Fabric, Deduct</i>	-4.02	
	<i>For 6 Gauge Fabric, Add</i>	6.31	
	<i>For 1" Mesh Fabric, Add</i>	8.61	
	<i>For 1-3/4" Mesh Fabric, Add</i>	3.44	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.72	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.30	
	<i>For Posts 8' On Centers, Add</i>	1.89	
	<i>For Posts 5' On Centers, Add</i>	7.13	
	<i>For Up To 100, Add</i>	6.61	
	<i>For >100 To 250, Add</i>	2.45	
	<i>For >2,500 To 5,000, Deduct</i>	-1.22	
	<i>For >5,000, Deduct</i>	-2.45	
32 31 13 13-0160	LF 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	36.58	7.08
	<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.20	
	<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.59	
	<i>For 13 Gauge Fabric, Deduct</i>	-7.42	
	<i>For 11 Gauge Fabric, Deduct</i>	-4.33	
	<i>For 6 Gauge Fabric, Add</i>	6.81	
	<i>For 1" Mesh Fabric, Add</i>	9.29	
	<i>For 1-3/4" Mesh Fabric, Add</i>	3.71	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.86	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.48	
	<i>For Posts 8' On Centers, Add</i>	2.01	
	<i>For Posts 5' On Centers, Add</i>	7.57	
	<i>For Up To 100, Add</i>	7.01	
	<i>For >100 To 250, Add</i>	2.59	
	<i>For >2,500 To 5,000, Deduct</i>	-1.30	
	<i>For >5,000, Deduct</i>	-2.59	
32 31 13 13-0161	LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	39.88	8.49
	<i>For Each Additional Foot >12, Add</i>	3.65	
	<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.51	
	<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.82	
	<i>For 13 Gauge Fabric, Deduct</i>	-8.12	
	<i>For 11 Gauge Fabric, Deduct</i>	-4.75	
	<i>For 6 Gauge Fabric, Add</i>	7.46	
	<i>For 1" Mesh Fabric, Add</i>	10.17	
	<i>For 1-3/4" Mesh Fabric, Add</i>	4.07	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.03	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.71	
	<i>For Posts 8' On Centers, Add</i>	2.19	
	<i>For Posts 5' On Centers, Add</i>	8.25	
	<i>For Up To 100, Add</i>	7.63	
	<i>For >100 To 250, Add</i>	2.82	
	<i>For >2,500 To 5,000, Deduct</i>	-1.41	
	<i>For >5,000, Deduct</i>	-2.82	
32 31 13 13-0162	Rails <small>(32 31 13 13)</small>		
	Note: Includes rail end fittings.		
32 31 13 13-0163	SS-20 Chain Link Fence Rails <small>(32 31 13 13-0162)</small>		
	Note: Includes tie wires.		
32 31 13 13-0164	LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	3.36	0.91
	<i>For SS15, Deduct</i>	-0.15	
	<i>For SS40, Add</i>	0.36	
32 31 13 13-0165	LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.85	0.91
	<i>For SS40, Add</i>	0.19	
	<i>For Powder Coated, Add</i>	0.39	
	<i>For Aluminum Coated, Add</i>	0.78	
32 31 13 13-0166	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	4.01	1.04
	<i>For SS15, Deduct</i>	-0.19	
	<i>For SS40, Add</i>	0.48	
32 31 13 13-0167	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.66	1.04
	<i>For SS40, Add</i>	0.26	
	<i>For Powder Coated, Add</i>	0.52	
	<i>For Aluminum Coated, Add</i>	1.03	
32 31 13 13-0168	LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	4.65	1.17
	<i>For SS40, Add</i>	0.58	
32 31 13 13-0169	LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	5.43	1.17
	<i>For SS40, Add</i>	0.31	
	<i>For Powder Coated, Add</i>	0.62	
	<i>For Aluminum Coated, Add</i>	1.24	
32 31 13 13-0170	Fabric <small>(32 31 13 13)</small>		
32 31 13 13-0171	Fabric, Galvanized Chain Link <small>(32 31 13 13-0170)</small>		



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	7.58	1.66
For 2 Oz Galvanized Coating, Add	0.54	
For 13 Gauge Fabric, Deduct	-0.98	
For 11 Gauge Fabric, Deduct	-0.54	
For 6 Gauge Fabric, Add	1.74	
For 1" Mesh Fabric, Add	1.63	
For 1-3/4" Mesh Fabric, Add	0.65	
For 2-1/8" Mesh Fabric, Deduct	-0.33	
For 2-3/8" Mesh Fabric, Deduct	-0.43	
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	8.36	1.87
For 2 Oz Galvanized Coating, Add	0.63	
For 13 Gauge Fabric, Deduct	-1.14	
For 11 Gauge Fabric, Deduct	-0.63	
For 6 Gauge Fabric, Add	2.02	
For 1" Mesh Fabric, Add	1.90	
For 1-3/4" Mesh Fabric, Add	0.76	
For 2-1/8" Mesh Fabric, Deduct	-0.38	
For 2-3/8" Mesh Fabric, Deduct	-0.51	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.03	2.08
For 2 Oz Galvanized Coating, Add	0.70	
For 13 Gauge Fabric, Deduct	-1.25	
For 11 Gauge Fabric, Deduct	-0.70	
For 6 Gauge Fabric, Add	2.22	
For 1" Mesh Fabric, Add	2.09	
For 1-3/4" Mesh Fabric, Add	0.83	
For 2-1/8" Mesh Fabric, Deduct	-0.42	
For 2-3/8" Mesh Fabric, Deduct	-0.56	
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.13	2.50
For 2 Oz Galvanized Coating, Add	0.87	
For 13 Gauge Fabric, Deduct	-1.56	
For 11 Gauge Fabric, Deduct	-0.87	
For 6 Gauge Fabric, Add	2.77	
For 1" Mesh Fabric, Add	2.60	
For 1-3/4" Mesh Fabric, Add	1.04	
For 2-1/8" Mesh Fabric, Deduct	-0.52	
For 2-3/8" Mesh Fabric, Deduct	-0.69	
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.30	2.92
For 2 Oz Galvanized Coating, Add	1.04	
For 13 Gauge Fabric, Deduct	-1.87	
For 11 Gauge Fabric, Deduct	-1.04	
For 6 Gauge Fabric, Add	3.33	
For 1" Mesh Fabric, Add	3.12	
For 1-3/4" Mesh Fabric, Add	1.25	
For 2-1/8" Mesh Fabric, Deduct	-0.62	
For 2-3/8" Mesh Fabric, Deduct	-0.83	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.54	3.33
For 2 Oz Galvanized Coating, Add	1.21	
For 13 Gauge Fabric, Deduct	-2.18	
For 11 Gauge Fabric, Deduct	-1.21	
For 6 Gauge Fabric, Add	3.88	
For 1" Mesh Fabric, Add	3.64	
For 1-3/4" Mesh Fabric, Add	1.46	
For 2-1/8" Mesh Fabric, Deduct	-0.73	
For 2-3/8" Mesh Fabric, Deduct	-0.97	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.87	4.17
For 2 Oz Galvanized Coating, Add	1.39	
For 13 Gauge Fabric, Deduct	-2.49	
For 11 Gauge Fabric, Deduct	-1.39	
For 6 Gauge Fabric, Add	4.43	
For 1" Mesh Fabric, Add	4.16	
For 1-3/4" Mesh Fabric, Add	1.66	
For 2-1/8" Mesh Fabric, Deduct	-0.83	
For 2-3/8" Mesh Fabric, Deduct	-1.11	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.40	4.58
For 2 Oz Galvanized Coating, Add	1.80	
For 13 Gauge Fabric, Deduct	-3.24	
For 11 Gauge Fabric, Deduct	-1.80	
For 6 Gauge Fabric, Add	5.76	
For 1" Mesh Fabric, Add	5.40	
For 1-3/4" Mesh Fabric, Add	2.16	
For 2-1/8" Mesh Fabric, Deduct	-1.08	
For 2-3/8" Mesh Fabric, Deduct	-1.44	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	18.63	5.00
For 2 Oz Galvanized Coating, Add	2.16	
For 13 Gauge Fabric, Deduct	-3.88	
For 11 Gauge Fabric, Deduct	-2.16	
For 6 Gauge Fabric, Add	6.90	
For 1" Mesh Fabric, Add	6.47	
For 1-3/4" Mesh Fabric, Add	2.59	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.73	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	20.93	5.83
			<i>For 2 Oz Galvanized Coating, Add</i>	2.32	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.17	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.32	
			<i>For 6 Gauge Fabric, Add</i>	7.42	
			<i>For 1" Mesh Fabric, Add</i>	6.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.39	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.85	
32 31	13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	23.23	6.67
			<i>For 2 Oz Galvanized Coating, Add</i>	2.48	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.46	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.48	
			<i>For 6 Gauge Fabric, Add</i>	7.93	
			<i>For 1" Mesh Fabric, Add</i>	7.43	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.97	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.49	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.98	
32 31	13 13-0183	SF	>16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	1.46	0.40
			<i>For 2 Oz Galvanized Coating, Add</i>	0.16	
			<i>For 13 Gauge Fabric, Deduct</i>	-0.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.16	
			<i>For 6 Gauge Fabric, Add</i>	0.50	
			<i>For 1" Mesh Fabric, Add</i>	0.47	
			<i>For 1-3/4" Mesh Fabric, Add</i>	0.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.09	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.12	
32 31	13 13-0184		Fabric, Vinyl Coated Chain Link <small>(32 31 13 13-0170)</small>		
32 31	13 13-0185	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	9.91	1.66
			<i>For 13 Gauge Fabric, Deduct</i>	-1.65	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.92	
			<i>For 6 Gauge Fabric, Add</i>	2.93	
			<i>For 1" Mesh Fabric, Add</i>	2.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.55	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.73	
			<i>For Aluminum Coated, Add</i>	1.46	
32 31	13 13-0186	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	11.24	2.50
			<i>For 13 Gauge Fabric, Deduct</i>	-2.06	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.14	
			<i>For 6 Gauge Fabric, Add</i>	3.66	
			<i>For 1" Mesh Fabric, Add</i>	3.43	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.69	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.91	
			<i>For Aluminum Coated, Add</i>	1.83	
32 31	13 13-0187	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	13.55	2.92
			<i>For 13 Gauge Fabric, Deduct</i>	-2.88	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.60	
			<i>For 6 Gauge Fabric, Add</i>	5.13	
			<i>For 1" Mesh Fabric, Add</i>	4.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.96	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.28	
			<i>For Aluminum Coated, Add</i>	2.56	
32 31	13 13-0188	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	15.15	3.33
			<i>For 13 Gauge Fabric, Deduct</i>	-3.36	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.87	
			<i>For 6 Gauge Fabric, Add</i>	5.97	
			<i>For 1" Mesh Fabric, Add</i>	5.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.24	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.12	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.49	
			<i>For Aluminum Coated, Add</i>	2.98	
32 31	13 13-0189	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	16.92	4.17
			<i>For 13 Gauge Fabric, Deduct</i>	-3.87	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.15	
			<i>For 6 Gauge Fabric, Add</i>	6.87	
			<i>For 1" Mesh Fabric, Add</i>	6.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.29	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.72	
			<i>For Aluminum Coated, Add</i>	3.44	
32 31	13 13-0190	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	19.90	4.58
			<i>For 13 Gauge Fabric, Deduct</i>	-4.82	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.68	
			<i>For 6 Gauge Fabric, Add</i>	8.56	
			<i>For 1" Mesh Fabric, Add</i>	8.03	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.21	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.61	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.14	
			<i>For Aluminum Coated, Add</i>	4.28	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0191	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	21.70 -5.27 -2.93 9.36 8.78 3.51 -1.76 -2.34 4.68	5.00
32 31	13 13-0192	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	24.54 -5.80 -3.22 10.30 9.66 3.86 -1.93 -2.58 5.15	5.83
32 31	13 13-0193	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	27.43 -6.35 -3.53 11.29 10.58 4.23 -2.12 -2.82 5.64	6.67
32 31	13 13-0194	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	1.72 -0.40 -0.22 0.70 0.66 0.26 -0.13 -0.18 0.35	0.40
32 31 13 13-0195 Fabric, Aluminized Steel Chain Link (32 31 13 13-0170)					
32 31	13 13-0196	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	7.49 1.66 2.18	1.66
32 31	13 13-0197	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.25 1.94 2.54	1.87
32 31	13 13-0198	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.02 2.22 2.91	2.08
32 31	13 13-0199	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.13 2.77 3.63	2.50
32 31	13 13-0200	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.27 3.30 4.34	2.92
32 31	13 13-0201	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.52 3.86 5.07	3.33
32 31	13 13-0202	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.85 4.42 5.80	4.17
32 31	13 13-0203	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.10 5.52 7.25	4.58
32 31	13 13-0204	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.28 6.62 8.69	5.00
32 31 13 13-0205 Fabric, All Aluminum Chain Link (32 31 13 13-0170)					
32 31	13 13-0206	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.85 4.35 5.71	1.66
32 31	13 13-0207	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.17 5.07 6.66	1.87
32 31	13 13-0208	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.50 5.80 7.61	2.08
32 31	13 13-0209	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.73 7.25 9.51	2.50
32 31	13 13-0210	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.02 8.70 11.42	2.92

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0211 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.38 10.15 13.32	3.33
32 31 13 13-0212 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	22.83 11.60 15.23	4.17
32 31 13 13-0213 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.32 14.50 19.03	4.58
32 31 13 13-0214 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	31.75 17.40 22.84	5.00
32 31 13 13-0215 Fence Inserts (32 31 13 13-0170) Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0216 Vinyl Plastic Fence Inserts (32 31 13 13-0215) Note: Assorted colors.		
32 31 13 13-0217 LF 3' High Fence, Vinyl Plastic Fence Insert.....	5.63	
32 31 13 13-0218 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	6.48	
32 31 13 13-0219 LF 4' High Fence, Vinyl Plastic Fence Insert.....	7.15	
32 31 13 13-0220 LF 5' High Fence, Vinyl Plastic Fence Insert.....	8.96	
32 31 13 13-0221 LF 6' High Fence, Vinyl Plastic Fence Insert.....	10.74	
32 31 13 13-0222 LF 7' High Fence, Vinyl Plastic Fence Insert.....	12.54	
32 31 13 13-0223 LF 8' High Fence, Vinyl Plastic Fence Insert.....	14.30	
32 31 13 13-0224 LF 10' High Fence, Vinyl Plastic Fence Insert.....	16.76	
32 31 13 13-0225 Aluminum Fence Inserts (32 31 13 13-0215) Note: Assorted colors.		
32 31 13 13-0226 LF 3' High Fence, Aluminum Fence Insert.....	12.03	
32 31 13 13-0227 LF 3-1/2' High Fence, Aluminum Fence Insert.....	13.33	
32 31 13 13-0228 LF 4' High Fence, Aluminum Fence Insert.....	15.66	
32 31 13 13-0229 LF 5' High Fence, Aluminum Fence Insert.....	19.62	
32 31 13 13-0230 LF 6' High Fence, Aluminum Fence Insert.....	23.53	
32 31 13 13-0231 LF 7' High Fence, Aluminum Fence Insert.....	26.18	
32 31 13 13-0232 LF 8' High Fence, Aluminum Fence Insert.....	31.37	
32 31 13 13-0233 LF 10' High Fence, Aluminum Fence Insert.....	38.16	
32 31 13 13-0234 Redwood Fence Inserts (32 31 13 13-0215)		
32 31 13 13-0235 LF 4' High Fence, Redwood Fence Insert.....	10.68	
32 31 13 13-0236 LF 5' High Fence, Redwood Fence Insert.....	13.52	
32 31 13 13-0237 LF 6' High Fence, Redwood Fence Insert.....	16.24	
32 31 13 13-0238 LF 7' High Fence, Redwood Fence Insert.....	18.91	
32 31 13 13-0239 LF 8' High Fence, Redwood Fence Insert.....	21.63	
32 31 13 13-0240 Diagonal Flexible Polyethylene Inserts (32 31 13 13-0215)		
32 31 13 13-0241 SF Diagonal Polyethylene Fence Weave.....	2.41	
32 31 13 13-0242 Hedge Link Fence Inserts (32 31 13 13-0215)		
32 31 13 13-0243 LF 3' High Fence, Hedge Link Fence Insert.....	12.17	
32 31 13 13-0244 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	13.86	
32 31 13 13-0245 LF 4' High Fence, Hedge Link Fence Insert.....	16.43	
32 31 13 13-0246 LF 5' High Fence, Hedge Link Fence Insert.....	20.32	
32 31 13 13-0247 LF 6' High Fence, Hedge Link Fence Insert.....	23.41	
32 31 13 13-0248 LF 7' High Fence, Hedge Link Fence Insert.....	29.22	
32 31 13 13-0249 LF 8' High Fence, Hedge Link Fence Insert.....	33.21	
32 31 13 13-0250 LF 10' High Fence, Hedge Link Fence Insert.....	39.49	
32 31 13 13-0251 LF 12' High Fence, Hedge Link Fence Insert.....	45.25	
32 31 13 13-0252 Fence Windscreen Fabric (32 31 13 13-0170) Note: Includes plastic wire clips.		
32 31 13 13-0253 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY..... <i>For Sewn Boxed Vent (Each), Add</i> <i>For Welded Boxed Vent (Each), Add</i> <i>For 4' x 4' One Color Logo (Each), Add</i>	1.82 14.08 7.04 293.40	
32 31 13 13-0254 Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0170)		
32 31 13 13-0255 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh..... <i>For 11 Gauge, Deduct</i> <i>For 10 Gauge, Deduct</i> <i>For 7 Gauge, Add</i> <i>For 6 Gauge, Add</i> <i>For 1/2" Mesh Fabric, Deduct</i> <i>For 5/8" Mesh Fabric, Deduct</i> <i>For 3/4" Mesh Fabric, Deduct</i>	17.87 -2.49 -1.00 1.50 3.49 -0.62 -1.37 -1.99	1.66



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0256	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	20.36	1.87
			<i>For 11 Gauge, Deduct</i>	-2.91	
			<i>For 10 Gauge, Deduct</i>	-1.16	
			<i>For 7 Gauge, Add</i>	1.74	
			<i>For 6 Gauge, Add</i>	4.07	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-0.73	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-1.60	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-2.32	
32 31 13	13-0257	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	22.87	2.08
			<i>For 11 Gauge, Deduct</i>	-3.32	
			<i>For 10 Gauge, Deduct</i>	-1.33	
			<i>For 7 Gauge, Add</i>	1.99	
			<i>For 6 Gauge, Add</i>	4.65	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-0.83	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-1.83	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-2.66	
32 31 13	13-0258	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	27.44	2.50
			<i>For 11 Gauge, Deduct</i>	-4.15	
			<i>For 10 Gauge, Deduct</i>	-1.66	
			<i>For 7 Gauge, Add</i>	2.49	
			<i>For 6 Gauge, Add</i>	5.82	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-1.04	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-2.28	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-3.32	
32 31 13	13-0259	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	32.05	2.92
			<i>For 11 Gauge, Deduct</i>	-4.98	
			<i>For 10 Gauge, Deduct</i>	-1.99	
			<i>For 7 Gauge, Add</i>	2.99	
			<i>For 6 Gauge, Add</i>	6.97	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-1.25	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-2.74	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-3.99	
32 31 13	13-0260	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	36.76	3.33
			<i>For 11 Gauge, Deduct</i>	-5.81	
			<i>For 10 Gauge, Deduct</i>	-2.33	
			<i>For 7 Gauge, Add</i>	3.49	
			<i>For 6 Gauge, Add</i>	8.14	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-1.45	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-3.20	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-4.65	
32 31 13	13-0261	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	41.55	4.17
			<i>For 11 Gauge, Deduct</i>	-6.64	
			<i>For 10 Gauge, Deduct</i>	-2.66	
			<i>For 7 Gauge, Add</i>	3.99	
			<i>For 6 Gauge, Add</i>	9.30	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-1.66	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-3.65	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-5.32	
32 31 13	13-0262	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	45.73	4.38
			<i>For 11 Gauge, Deduct</i>	-7.40	
			<i>For 10 Gauge, Deduct</i>	-2.96	
			<i>For 7 Gauge, Add</i>	4.44	
			<i>For 6 Gauge, Add</i>	10.35	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-1.85	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-4.07	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-5.92	
32 31 13	13-0263	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	49.94	4.58
			<i>For 11 Gauge, Deduct</i>	-8.15	
			<i>For 10 Gauge, Deduct</i>	-3.26	
			<i>For 7 Gauge, Add</i>	4.89	
			<i>For 6 Gauge, Add</i>	11.41	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-2.04	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-4.48	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-6.52	
32 31 13	13-0264	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	54.16	5.00
			<i>For 11 Gauge, Deduct</i>	-8.83	
			<i>For 10 Gauge, Deduct</i>	-3.53	
			<i>For 7 Gauge, Add</i>	5.30	
			<i>For 6 Gauge, Add</i>	12.36	
			<i>For 1/2" Mesh Fabric, Deduct</i>	-2.21	
			<i>For 5/8" Mesh Fabric, Deduct</i>	-4.86	
			<i>For 3/4" Mesh Fabric, Deduct</i>	-7.07	

32 31 13 13-0265

Gates (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32.31.13.13-0001 for drilling for augering holes and backfill.

32 31 13 13-0266

Galvanized Steel Without Barbed Wire (32 31 13 13-0266)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0267

4' Fence Height (32 31 13 13-0266)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0268	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	164.43	18.61
			<i>For Gate With Single Barb Wire Arm, Add</i>	11.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	17.00	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-19.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	51.01	
			<i>For Powder Coated Gate And Post, Add</i>	27.63	
32 31 13	13-0269	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	199.86	19.39
			<i>For Gate With Single Barb Wire Arm, Add</i>	15.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	22.67	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-26.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	68.02	
			<i>For Powder Coated Gate And Post, Add</i>	36.84	
32 31 13	13-0270	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	233.12	20.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	18.82	
			<i>For Gate With Double Barb Wire Arm, Add</i>	27.37	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	82.12	
			<i>For Powder Coated Gate And Post, Add</i>	44.48	
32 31 13	13-0271	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	274.92	24.81
			<i>For Gate With Single Barb Wire Arm, Add</i>	22.05	
			<i>For Gate With Double Barb Wire Arm, Add</i>	32.08	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-37.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	96.23	
			<i>For Powder Coated Gate And Post, Add</i>	52.12	
32 31 13	13-0272	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	316.70	28.92
			<i>For Gate With Single Barb Wire Arm, Add</i>	25.28	
			<i>For Gate With Double Barb Wire Arm, Add</i>	36.78	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.10	
			<i>For Aluminized Steel Gate And Post, Add</i>	110.33	
			<i>For Powder Coated Gate And Post, Add</i>	59.76	
32 31 13	13-0273	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	359.68	33.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.67	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	125.01	
			<i>For Powder Coated Gate And Post, Add</i>	67.71	
32 31 13	13-0274	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	401.47	37.21
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.88	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.37	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	139.11	
			<i>For Powder Coated Gate And Post, Add</i>	75.35	
32 31 13	13-0275	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	443.77	41.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	51.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	153.47	
			<i>For Powder Coated Gate And Post, Add</i>	83.13	
32 31 13	13-0276	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	549.19	41.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	46.77	
			<i>For Gate With Double Barb Wire Arm, Add</i>	68.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-79.71	
			<i>For Aluminized Steel Gate And Post, Add</i>	204.07	
			<i>For Powder Coated Gate And Post, Add</i>	110.54	
32 31 13	13-0277	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	643.08	44.27
			<i>For Gate With Single Barb Wire Arm, Add</i>	56.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	81.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-95.66	
			<i>For Aluminized Steel Gate And Post, Add</i>	244.88	
			<i>For Powder Coated Gate And Post, Add</i>	132.64	
32 31 13	13-0278	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	738.33	47.69
			<i>For Gate With Single Barb Wire Arm, Add</i>	65.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	95.23	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-111.60	
			<i>For Aluminized Steel Gate And Post, Add</i>	285.69	
			<i>For Powder Coated Gate And Post, Add</i>	154.75	
32 31 13	13-0279	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	835.29	51.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.82	
			<i>For Gate With Double Barb Wire Arm, Add</i>	108.84	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-127.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	326.51	
			<i>For Powder Coated Gate And Post, Add</i>	176.86	
32 31 13	13-0280	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	948.88	61.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	84.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	122.44	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-143.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	367.32	
			<i>For Powder Coated Gate And Post, Add</i>	198.97	
32 31 13	13-0281	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,047.03	65.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	93.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	136.04	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-159.43	
			<i>For Aluminized Steel Gate And Post, Add</i>	408.13	
			<i>For Powder Coated Gate And Post, Add</i>	221.07	



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0282 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,145.12	70.58
For Gate With Single Barb Wire Arm, Add	102.66	
For Gate With Double Barb Wire Arm, Add	149.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Aluminized Steel Gate And Post, Add	447.95	
For Powder Coated Gate And Post, Add	242.64	
32 31 13 13-0283 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,245.72	76.44
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.53	
For Aluminized Steel Gate And Post, Add	487.77	
For Powder Coated Gate And Post, Add	264.21	
32 31 13 13-0284 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,349.55	83.41
For Gate With Single Barb Wire Arm, Add	120.91	
For Gate With Double Barb Wire Arm, Add	175.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.09	
For Aluminized Steel Gate And Post, Add	527.59	
For Powder Coated Gate And Post, Add	285.78	
32 31 13 13-0285 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,426.43	91.76
For Gate With Single Barb Wire Arm, Add	126.61	
For Gate With Double Barb Wire Arm, Add	184.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.81	
For Aluminized Steel Gate And Post, Add	552.47	
For Powder Coated Gate And Post, Add	299.25	
32 31 13 13-0286 EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,581.47	101.92
For Gate With Single Barb Wire Arm, Add	140.30	
For Gate With Double Barb Wire Arm, Add	204.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-239.14	
For Aluminized Steel Gate And Post, Add	612.20	
For Powder Coated Gate And Post, Add	331.61	
32 31 13 13-0287 5' Fence Height (32 31 13 13-0266)		
32 31 13 13-0288 EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	193.37	20.63
For Gate With Single Barb Wire Arm, Add	14.45	
For Gate With Double Barb Wire Arm, Add	21.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-24.63	
For Aluminized Steel Gate And Post, Add	63.04	
For Powder Coated Gate And Post, Add	34.15	
32 31 13 13-0289 EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	236.58	20.63
For Gate With Single Barb Wire Arm, Add	19.20	
For Gate With Double Barb Wire Arm, Add	27.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.73	
For Aluminized Steel Gate And Post, Add	83.78	
For Powder Coated Gate And Post, Add	45.38	
32 31 13 13-0290 EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	273.29	21.94
For Gate With Single Barb Wire Arm, Add	22.81	
For Gate With Double Barb Wire Arm, Add	33.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.88	
For Aluminized Steel Gate And Post, Add	99.54	
For Powder Coated Gate And Post, Add	53.92	
32 31 13 13-0291 EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	321.04	26.36
For Gate With Single Barb Wire Arm, Add	26.61	
For Gate With Double Barb Wire Arm, Add	38.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.37	
For Aluminized Steel Gate And Post, Add	116.14	
For Powder Coated Gate And Post, Add	62.91	
32 31 13 13-0292 EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	365.33	30.70
For Gate With Single Barb Wire Arm, Add	30.04	
For Gate With Double Barb Wire Arm, Add	43.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.20	
For Aluminized Steel Gate And Post, Add	131.07	
For Powder Coated Gate And Post, Add	71.00	
32 31 13 13-0293 EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	413.85	35.36
For Gate With Single Barb Wire Arm, Add	33.84	
For Gate With Double Barb Wire Arm, Add	49.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.68	
For Aluminized Steel Gate And Post, Add	147.66	
For Powder Coated Gate And Post, Add	79.98	
32 31 13 13-0294 EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	459.86	39.77
For Gate With Single Barb Wire Arm, Add	37.45	
For Gate With Double Barb Wire Arm, Add	54.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.84	
For Aluminized Steel Gate And Post, Add	163.42	
For Powder Coated Gate And Post, Add	88.52	
32 31 13 13-0295 EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	505.88	44.12
For Gate With Single Barb Wire Arm, Add	41.06	
For Gate With Double Barb Wire Arm, Add	59.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.99	
For Aluminized Steel Gate And Post, Add	179.18	
For Powder Coated Gate And Post, Add	97.06	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0296	EA		10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	659.68	44.27
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.94	
			<i>For Gate With Double Barb Wire Arm, Add</i>	84.28	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-98.77	
			<i>For Aluminized Steel Gate And Post, Add</i>	252.84	
			<i>For Powder Coated Gate And Post, Add</i>	136.96	
32 31 13 13-0297	EA		12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	775.66	47.69
			<i>For Gate With Single Barb Wire Arm, Add</i>	69.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	101.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-118.60	
			<i>For Aluminized Steel Gate And Post, Add</i>	303.61	
			<i>For Powder Coated Gate And Post, Add</i>	164.46	
32 31 13 13-0298	EA		14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	893.36	51.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.43	
			<i>For Aluminized Steel Gate And Post, Add</i>	354.38	
			<i>For Powder Coated Gate And Post, Add</i>	191.96	
32 31 13 13-0299	EA		16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,027.68	61.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	92.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	135.05	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-158.26	
			<i>For Aluminized Steel Gate And Post, Add</i>	405.14	
			<i>For Powder Coated Gate And Post, Add</i>	219.45	
32 31 13 13-0300	EA		18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,144.50	65.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	104.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	151.64	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-177.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	454.92	
			<i>For Powder Coated Gate And Post, Add</i>	246.41	
32 31 13 13-0301	EA		20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,267.47	70.58
			<i>For Gate With Single Barb Wire Arm, Add</i>	116.11	
			<i>For Gate With Double Barb Wire Arm, Add</i>	168.89	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-197.92	
			<i>For Aluminized Steel Gate And Post, Add</i>	506.68	
			<i>For Powder Coated Gate And Post, Add</i>	274.45	
32 31 13 13-0302	EA		22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,390.89	76.44
			<i>For Gate With Single Barb Wire Arm, Add</i>	127.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	185.82	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-217.75	
			<i>For Aluminized Steel Gate And Post, Add</i>	557.45	
			<i>For Powder Coated Gate And Post, Add</i>	301.95	
32 31 13 13-0303	EA		24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,515.45	83.41
			<i>For Gate With Single Barb Wire Arm, Add</i>	139.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	202.41	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-237.20	
			<i>For Aluminized Steel Gate And Post, Add</i>	607.22	
			<i>For Powder Coated Gate And Post, Add</i>	328.91	
32 31 13 13-0304	EA		26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,648.33	91.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	151.02	
			<i>For Gate With Double Barb Wire Arm, Add</i>	219.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-257.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	658.98	
			<i>For Powder Coated Gate And Post, Add</i>	356.95	
32 31 13 13-0305	EA		28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,783.40	101.92
			<i>For Gate With Single Barb Wire Arm, Add</i>	162.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	236.37	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-277.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	709.12	
			<i>For Powder Coated Gate And Post, Add</i>	384.11	
32 31 13 13-0306	EA		30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,924.58	114.66
			<i>For Gate With Single Barb Wire Arm, Add</i>	173.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	252.84	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-296.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	758.53	
			<i>For Powder Coated Gate And Post, Add</i>	410.87	
32 31 13 13-0307			6' Fence Height <small>(32 31 13 13-0266)</small>		
32 31 13 13-0308	EA		3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	207.30	22.09
			<i>For Gate With Single Barb Wire Arm, Add</i>	15.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	22.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-26.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	67.61	
			<i>For Powder Coated Gate And Post, Add</i>	36.62	
32 31 13 13-0309	EA		4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	253.96	22.09
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	30.00	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-35.16	
			<i>For Aluminized Steel Gate And Post, Add</i>	90.00	
			<i>For Powder Coated Gate And Post, Add</i>	48.75	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0310 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	293.77	23.49
For Gate With Single Barb Wire Arm, Add	24.55	
For Gate With Double Barb Wire Arm, Add	35.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.85	
For Aluminized Steel Gate And Post, Add	107.14	
For Powder Coated Gate And Post, Add	58.03	
32 31 13 13-0311 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	342.79	28.38
For Gate With Single Barb Wire Arm, Add	28.33	
For Gate With Double Barb Wire Arm, Add	41.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.28	
For Aluminized Steel Gate And Post, Add	123.60	
For Powder Coated Gate And Post, Add	66.95	
32 31 13 13-0312 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	393.81	33.34
For Gate With Single Barb Wire Arm, Add	32.32	
For Gate With Double Barb Wire Arm, Add	47.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.09	
For Aluminized Steel Gate And Post, Add	141.02	
For Powder Coated Gate And Post, Add	76.39	
32 31 13 13-0313 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	442.33	37.99
For Gate With Single Barb Wire Arm, Add	36.12	
For Gate With Double Barb Wire Arm, Add	52.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.57	
For Aluminized Steel Gate And Post, Add	157.61	
For Powder Coated Gate And Post, Add	85.37	
32 31 13 13-0314 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	491.63	42.88
For Gate With Single Barb Wire Arm, Add	39.92	
For Gate With Double Barb Wire Arm, Add	58.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.05	
For Aluminized Steel Gate And Post, Add	174.20	
For Powder Coated Gate And Post, Add	94.36	
32 31 13 13-0315 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	525.36	47.76
For Gate With Single Barb Wire Arm, Add	42.01	
For Gate With Double Barb Wire Arm, Add	61.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.61	
For Aluminized Steel Gate And Post, Add	183.33	
For Powder Coated Gate And Post, Add	99.30	
32 31 13 13-0316 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	705.15	47.69
For Gate With Single Barb Wire Arm, Add	61.82	
For Gate With Double Barb Wire Arm, Add	89.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.38	
For Aluminized Steel Gate And Post, Add	269.76	
For Powder Coated Gate And Post, Add	146.12	
32 31 13 13-0317 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	829.07	51.63
For Gate With Single Barb Wire Arm, Add	74.14	
For Gate With Double Barb Wire Arm, Add	107.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
For Aluminized Steel Gate And Post, Add	323.52	
For Powder Coated Gate And Post, Add	175.24	
32 31 13 13-0318 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	984.82	65.51
For Gate With Single Barb Wire Arm, Add	86.69	
For Gate With Double Barb Wire Arm, Add	126.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-147.76	
For Aluminized Steel Gate And Post, Add	378.27	
For Powder Coated Gate And Post, Add	204.90	
32 31 13 13-0319 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,111.94	70.58
For Gate With Single Barb Wire Arm, Add	99.01	
For Gate With Double Barb Wire Arm, Add	144.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.76	
For Aluminized Steel Gate And Post, Add	432.02	
For Powder Coated Gate And Post, Add	234.01	
32 31 13 13-0320 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,243.65	76.44
For Gate With Single Barb Wire Arm, Add	111.55	
For Gate With Double Barb Wire Arm, Add	162.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.15	
For Aluminized Steel Gate And Post, Add	486.77	
For Powder Coated Gate And Post, Add	263.67	
32 31 13 13-0321 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,378.58	83.41
For Gate With Single Barb Wire Arm, Add	124.10	
For Gate With Double Barb Wire Arm, Add	180.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-211.53	
For Aluminized Steel Gate And Post, Add	541.52	
For Powder Coated Gate And Post, Add	293.32	
32 31 13 13-0322 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,515.61	91.76
For Gate With Single Barb Wire Arm, Add	136.42	
For Gate With Double Barb Wire Arm, Add	198.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.53	
For Aluminized Steel Gate And Post, Add	595.28	
For Powder Coated Gate And Post, Add	322.44	
32 31 13 13-0323 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,659.24	101.92
For Gate With Single Barb Wire Arm, Add	148.85	
For Gate With Double Barb Wire Arm, Add	216.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.72	
For Aluminized Steel Gate And Post, Add	649.53	
For Powder Coated Gate And Post, Add	351.83	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0324	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,809.27 161.15 234.39 -274.68 703.18 380.89	114.66
32 31 13	13-0325	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,971.69 173.60 252.51 -295.91 757.53 410.33	131.01
32 31 13	13-0326	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,150.72 186.08 270.66 -317.18 811.98 439.82	152.87
32 31 13 13-0327 7' Fence Height (32 31 13 13-0266)					
32 31 13	13-0328	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	218.47 16.16 23.50 -27.54 70.51 38.19	23.80
32 31 13	13-0329	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	266.86 21.48 31.25 -36.62 93.74 50.78	23.80
32 31 13	13-0330	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	309.69 25.79 37.52 -43.97 112.55 60.96	25.04
32 31 13	13-0331	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	379.20 31.65 46.03 -53.95 138.10 74.80	30.47
32 31 13	13-0332	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	447.95 37.51 54.55 -63.93 163.66 88.65	35.67
32 31 13	13-0333	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	517.47 43.36 63.07 -73.91 189.21 102.49	41.01
32 31 13	13-0334	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	586.21 49.22 71.59 -83.89 214.77 116.33	46.21
32 31 13	13-0335	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	646.14 54.02 78.57 -92.08 235.71 127.68	51.63
32 31 13	13-0336	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	799.66 70.90 103.13 -120.86 309.40 167.59	51.63
32 31 13	13-0337	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	913.49 78.84 114.68 -134.39 344.03 186.35	65.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0338 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,048.08	70.58
For Gate With Single Barb Wire Arm, Add	91.98	
For Gate With Double Barb Wire Arm, Add	133.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.79	
For Aluminized Steel Gate And Post, Add	401.37	
For Powder Coated Gate And Post, Add	217.41	
32 31 13 13-0339 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,175.21	76.44
For Gate With Single Barb Wire Arm, Add	104.02	
For Gate With Double Barb Wire Arm, Add	151.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.31	
For Aluminized Steel Gate And Post, Add	453.92	
For Powder Coated Gate And Post, Add	245.87	
32 31 13 13-0340 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,316.36	83.41
For Gate With Single Barb Wire Arm, Add	117.25	
For Gate With Double Barb Wire Arm, Add	170.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.87	
For Aluminized Steel Gate And Post, Add	511.66	
For Powder Coated Gate And Post, Add	277.15	
32 31 13 13-0341 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,459.61	91.76
For Gate With Single Barb Wire Arm, Add	130.26	
For Gate With Double Barb Wire Arm, Add	189.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.03	
For Aluminized Steel Gate And Post, Add	568.40	
For Powder Coated Gate And Post, Add	307.88	
32 31 13 13-0342 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,608.43	101.92
For Gate With Single Barb Wire Arm, Add	143.26	
For Gate With Double Barb Wire Arm, Add	208.38	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.19	
For Aluminized Steel Gate And Post, Add	625.14	
For Powder Coated Gate And Post, Add	338.62	
32 31 13 13-0343 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,764.89	114.66
For Gate With Single Barb Wire Arm, Add	156.26	
For Gate With Double Barb Wire Arm, Add	227.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.36	
For Aluminized Steel Gate And Post, Add	681.88	
For Powder Coated Gate And Post, Add	369.35	
32 31 13 13-0344 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,932.29	131.01
For Gate With Single Barb Wire Arm, Add	169.27	
For Gate With Double Barb Wire Arm, Add	246.21	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-288.52	
For Aluminized Steel Gate And Post, Add	738.62	
For Powder Coated Gate And Post, Add	400.09	
32 31 13 13-0345 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,116.09	152.87
For Gate With Single Barb Wire Arm, Add	182.27	
For Gate With Double Barb Wire Arm, Add	265.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.69	
For Aluminized Steel Gate And Post, Add	795.36	
For Powder Coated Gate And Post, Add	430.82	
32 31 13 13-0346 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,326.12	183.44
For Gate With Single Barb Wire Arm, Add	195.27	
For Gate With Double Barb Wire Arm, Add	284.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-332.85	
For Aluminized Steel Gate And Post, Add	852.10	
For Powder Coated Gate And Post, Add	461.55	
32 31 13 13-0347 8' Fence Height <small>(32 31 13 13-0266)</small>		
32 31 13 13-0348 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	252.98	25.82
For Gate With Single Barb Wire Arm, Add	19.30	
For Gate With Double Barb Wire Arm, Add	28.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.90	
For Aluminized Steel Gate And Post, Add	84.21	
For Powder Coated Gate And Post, Add	45.61	
32 31 13 13-0349 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	311.46	25.82
For Gate With Single Barb Wire Arm, Add	25.73	
For Gate With Double Barb Wire Arm, Add	37.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.86	
For Aluminized Steel Gate And Post, Add	112.28	
For Powder Coated Gate And Post, Add	60.82	
32 31 13 13-0350 EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	361.56	28.77
For Gate With Single Barb Wire Arm, Add	30.26	
For Gate With Double Barb Wire Arm, Add	44.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.58	
For Aluminized Steel Gate And Post, Add	132.05	
For Powder Coated Gate And Post, Add	71.53	
32 31 13 13-0351 EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	414.00	32.57
For Gate With Single Barb Wire Arm, Add	34.79	
For Gate With Double Barb Wire Arm, Add	50.61	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.31	
For Aluminized Steel Gate And Post, Add	151.83	
For Powder Coated Gate And Post, Add	82.24	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0352 EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	475.36	39.23
For Gate With Single Barb Wire Arm, Add	39.33	
For Gate With Double Barb Wire Arm, Add	57.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.03	
For Aluminized Steel Gate And Post, Add	171.60	
For Powder Coated Gate And Post, Add	92.95	
32 31 13 13-0353 EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	535.95	45.67
For Gate With Single Barb Wire Arm, Add	43.86	
For Gate With Double Barb Wire Arm, Add	63.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.76	
For Aluminized Steel Gate And Post, Add	191.38	
For Powder Coated Gate And Post, Add	103.66	
32 31 13 13-0354 EA 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	597.30	52.41
For Gate With Single Barb Wire Arm, Add	48.39	
For Gate With Double Barb Wire Arm, Add	70.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.48	
For Aluminized Steel Gate And Post, Add	211.16	
For Powder Coated Gate And Post, Add	114.38	
32 31 13 13-0355 EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	658.66	59.16
For Gate With Single Barb Wire Arm, Add	52.92	
For Gate With Double Barb Wire Arm, Add	76.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.21	
For Aluminized Steel Gate And Post, Add	230.93	
For Powder Coated Gate And Post, Add	125.09	
32 31 13 13-0356 EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	918.44	65.51
For Gate With Single Barb Wire Arm, Add	79.38	
For Gate With Double Barb Wire Arm, Add	115.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.32	
For Aluminized Steel Gate And Post, Add	346.41	
For Powder Coated Gate And Post, Add	187.64	
32 31 13 13-0357 EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,072.53	70.58
For Gate With Single Barb Wire Arm, Add	94.67	
For Gate With Double Barb Wire Arm, Add	137.70	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.37	
For Aluminized Steel Gate And Post, Add	413.11	
For Powder Coated Gate And Post, Add	223.77	
32 31 13 13-0358 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,231.20	76.44
For Gate With Single Barb Wire Arm, Add	110.18	
For Gate With Double Barb Wire Arm, Add	160.27	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-187.81	
For Aluminized Steel Gate And Post, Add	480.80	
For Powder Coated Gate And Post, Add	260.43	
32 31 13 13-0359 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,397.24	83.41
For Gate With Single Barb Wire Arm, Add	126.15	
For Gate With Double Barb Wire Arm, Add	183.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.03	
For Aluminized Steel Gate And Post, Add	550.48	
For Powder Coated Gate And Post, Add	298.18	
32 31 13 13-0360 EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,567.45	91.76
For Gate With Single Barb Wire Arm, Add	142.12	
For Gate With Double Barb Wire Arm, Add	206.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-242.25	
For Aluminized Steel Gate And Post, Add	620.16	
For Powder Coated Gate And Post, Add	335.92	
32 31 13 13-0361 EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,741.16	101.92
For Gate With Single Barb Wire Arm, Add	157.86	
For Gate With Double Barb Wire Arm, Add	229.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.08	
For Aluminized Steel Gate And Post, Add	688.85	
For Powder Coated Gate And Post, Add	373.13	
32 31 13 13-0362 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,920.43	114.66
For Gate With Single Barb Wire Arm, Add	173.37	
For Gate With Double Barb Wire Arm, Add	252.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.52	
For Aluminized Steel Gate And Post, Add	756.54	
For Powder Coated Gate And Post, Add	409.79	
32 31 13 13-0363 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,114.79	131.01
For Gate With Single Barb Wire Arm, Add	189.34	
For Gate With Double Barb Wire Arm, Add	275.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-322.74	
For Aluminized Steel Gate And Post, Add	826.22	
For Powder Coated Gate And Post, Add	447.54	
32 31 13 13-0364 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,325.55	152.87
For Gate With Single Barb Wire Arm, Add	205.31	
For Gate With Double Barb Wire Arm, Add	298.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-349.96	
For Aluminized Steel Gate And Post, Add	895.90	
For Powder Coated Gate And Post, Add	485.28	
32 31 13 13-0365 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,560.46	183.44
For Gate With Single Barb Wire Arm, Add	221.05	
For Gate With Double Barb Wire Arm, Add	321.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-376.79	
For Aluminized Steel Gate And Post, Add	964.58	
For Powder Coated Gate And Post, Add	522.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0366 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,841.29	229.31
For Gate With Single Barb Wire Arm, Add	236.79	
For Gate With Double Barb Wire Arm, Add	344.42	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-403.62	
For Aluminized Steel Gate And Post, Add	1,033.27	
For Powder Coated Gate And Post, Add	559.69	
32 31 13 13-0367 10' Fence Height (32 31 13 13-0266)		
32 31 13 13-0368 EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	313.01	28.69
For Gate With Single Barb Wire Arm, Add	24.95	
For Gate With Double Barb Wire Arm, Add	36.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-42.54	
For Aluminized Steel Gate And Post, Add	108.89	
For Powder Coated Gate And Post, Add	58.98	
32 31 13 13-0369 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	388.64	28.69
For Gate With Single Barb Wire Arm, Add	33.27	
For Gate With Double Barb Wire Arm, Add	48.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.72	
For Aluminized Steel Gate And Post, Add	145.20	
For Powder Coated Gate And Post, Add	78.65	
32 31 13 13-0370 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	445.70	29.93
For Gate With Single Barb Wire Arm, Add	39.13	
For Gate With Double Barb Wire Arm, Add	56.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.71	
For Aluminized Steel Gate And Post, Add	170.77	
For Powder Coated Gate And Post, Add	92.50	
32 31 13 13-0371 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	520.70	37.21
For Gate With Single Barb Wire Arm, Add	45.00	
For Gate With Double Barb Wire Arm, Add	65.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.70	
For Aluminized Steel Gate And Post, Add	196.34	
For Powder Coated Gate And Post, Add	106.35	
32 31 13 13-0372 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	595.23	44.12
For Gate With Single Barb Wire Arm, Add	50.85	
For Gate With Double Barb Wire Arm, Add	73.97	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.68	
For Aluminized Steel Gate And Post, Add	221.91	
For Powder Coated Gate And Post, Add	120.20	
32 31 13 13-0373 EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	669.88	51.40
For Gate With Single Barb Wire Arm, Add	56.71	
For Gate With Double Barb Wire Arm, Add	82.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.67	
For Aluminized Steel Gate And Post, Add	247.48	
For Powder Coated Gate And Post, Add	134.05	
32 31 13 13-0374 EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	744.09	58.38
For Gate With Single Barb Wire Arm, Add	62.58	
For Gate With Double Barb Wire Arm, Add	91.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.66	
For Aluminized Steel Gate And Post, Add	273.06	
For Powder Coated Gate And Post, Add	147.91	
32 31 13 13-0375 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	819.08	65.59
For Gate With Single Barb Wire Arm, Add	68.44	
For Gate With Double Barb Wire Arm, Add	99.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.65	
For Aluminized Steel Gate And Post, Add	298.63	
For Powder Coated Gate And Post, Add	161.76	
32 31 13 13-0376 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,151.84	72.82
For Gate With Single Barb Wire Arm, Add	102.65	
For Gate With Double Barb Wire Arm, Add	149.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Aluminized Steel Gate And Post, Add	447.95	
For Powder Coated Gate And Post, Add	242.64	
32 31 13 13-0377 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,251.55	78.33
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.54	
For Aluminized Steel Gate And Post, Add	487.78	
For Powder Coated Gate And Post, Add	264.21	
32 31 13 13-0378 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,420.55	84.96
For Gate With Single Barb Wire Arm, Add	128.21	
For Gate With Double Barb Wire Arm, Add	186.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-218.53	
For Aluminized Steel Gate And Post, Add	559.44	
For Powder Coated Gate And Post, Add	303.03	
32 31 13 13-0379 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,609.54	92.62
For Gate With Single Barb Wire Arm, Add	146.46	
For Gate With Double Barb Wire Arm, Add	213.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-249.64	
For Aluminized Steel Gate And Post, Add	639.08	
For Powder Coated Gate And Post, Add	346.17	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0380 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,803.37	101.92
For Gate With Single Barb Wire Arm, Add	164.70	
For Gate With Double Barb Wire Arm, Add	239.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-280.75	
For Aluminized Steel Gate And Post, Add	718.71	
For Powder Coated Gate And Post, Add	389.30	
32 31 13 13-0381 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,004.16	113.19
For Gate With Single Barb Wire Arm, Add	183.07	
For Gate With Double Barb Wire Arm, Add	266.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-312.05	
For Aluminized Steel Gate And Post, Add	798.84	
For Powder Coated Gate And Post, Add	432.71	
32 31 13 13-0382 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,213.78	127.40
For Gate With Single Barb Wire Arm, Add	201.43	
For Gate With Double Barb Wire Arm, Add	292.99	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.35	
For Aluminized Steel Gate And Post, Add	878.98	
For Powder Coated Gate And Post, Add	476.11	
32 31 13 13-0383 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,434.06	145.47
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 13-0384 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,673.12	169.84
For Gate With Single Barb Wire Arm, Add	237.93	
For Gate With Double Barb Wire Arm, Add	346.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-405.57	
For Aluminized Steel Gate And Post, Add	1,038.25	
For Powder Coated Gate And Post, Add	562.39	
32 31 13 13-0385 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,940.50	203.66
For Gate With Single Barb Wire Arm, Add	256.18	
For Gate With Double Barb Wire Arm, Add	372.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-436.67	
For Aluminized Steel Gate And Post, Add	1,117.88	
For Powder Coated Gate And Post, Add	605.52	
32 31 13 13-0386 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,262.05	254.79
For Gate With Single Barb Wire Arm, Add	274.66	
For Gate With Double Barb Wire Arm, Add	399.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-468.17	
For Aluminized Steel Gate And Post, Add	1,198.51	
For Powder Coated Gate And Post, Add	649.19	
32 31 13 13-0387 12' Fence Height <small>(32 31 13 13-0266)</small>		
32 31 13 13-0388 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	386.11	31.87
For Gate With Single Barb Wire Arm, Add	31.94	
For Gate With Double Barb Wire Arm, Add	46.46	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.45	
For Aluminized Steel Gate And Post, Add	139.39	
For Powder Coated Gate And Post, Add	75.50	
32 31 13 13-0389 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	482.90	31.87
For Gate With Single Barb Wire Arm, Add	42.59	
For Gate With Double Barb Wire Arm, Add	61.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.60	
For Aluminized Steel Gate And Post, Add	185.85	
For Powder Coated Gate And Post, Add	100.67	
32 31 13 13-0390 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	554.62	33.03
For Gate With Single Barb Wire Arm, Add	50.09	
For Gate With Double Barb Wire Arm, Add	72.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.38	
For Aluminized Steel Gate And Post, Add	218.58	
For Powder Coated Gate And Post, Add	118.40	
32 31 13 13-0391 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	646.86	41.01
For Gate With Single Barb Wire Arm, Add	57.59	
For Gate With Double Barb Wire Arm, Add	83.77	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.17	
For Aluminized Steel Gate And Post, Add	251.32	
For Powder Coated Gate And Post, Add	136.13	
32 31 13 13-0392 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	739.07	49.08
For Gate With Single Barb Wire Arm, Add	65.09	
For Gate With Double Barb Wire Arm, Add	94.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.95	
For Aluminized Steel Gate And Post, Add	284.04	
For Powder Coated Gate And Post, Add	153.86	
32 31 13 13-0393 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	830.53	56.83
For Gate With Single Barb Wire Arm, Add	72.59	
For Gate With Double Barb Wire Arm, Add	105.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.74	
For Aluminized Steel Gate And Post, Add	316.78	
For Powder Coated Gate And Post, Add	171.59	



		Exterior Improvements	32
		Site Improvements	32 30
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0394	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	922.76 80.10 116.50 -136.53 349.51 189.32	64.82
32 31 13	13-0395	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,014.99 87.60 127.41 -149.31 382.24 207.05	72.81
32 31 13	13-0396	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,352.40 122.05 177.52 -208.03 532.56 288.47	80.91
32 31 13	13-0397	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,480.86 134.14 195.11 -228.64 585.32 317.05	87.12
32 31 13	13-0398	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,681.16 153.75 223.64 -262.08 670.93 363.42	94.34
32 31 13	13-0399	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	1,905.94 175.65 255.50 -299.41 766.49 415.18	102.87
32 31 13	13-0400	EA	18 Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,135.85 197.55 287.35 -336.74 862.06 466.95	113.28
32 31 13	13-0401	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,374.65 219.68 319.54 -374.46 958.61 519.25	125.76
32 31 13	13-0402	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,621.29 241.58 351.39 -411.79 1,054.18 571.01	141.51
32 31 13	13-0403	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	2,882.86 263.71 383.58 -449.51 1,150.73 623.31	161.66
32 31 13	13-0404	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	3,161.15 285.38 415.10 -486.44 1,245.30 674.54	188.78
32 31 13	13-0405	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	3,472.98 307.28 446.95 -523.77 1,340.86 726.30	226.30
32 31 13	13-0406	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i>	3,844.79 329.41 479.14 -561.49 1,437.42 778.60	283.12

32 31 13 13-0407 Vinyl Coated Without Barb Wire Arm (32 31 13 13-0265)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0408 4' Fence Height (32 31 13 13-0407)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0409 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	196.53	19.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.95	
For Gate With Single Barb Wire Arm, Add	15.22	
For Gate With Double Barb Wire Arm, Add	22.14	
32 31 13 13-0410 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	242.66	19.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.60	
For Gate With Single Barb Wire Arm, Add	20.30	
For Gate With Double Barb Wire Arm, Add	29.52	
32 31 13 13-0411 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	284.99	20.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.81	
For Gate With Single Barb Wire Arm, Add	24.53	
For Gate With Double Barb Wire Arm, Add	35.67	
32 31 13 13-0412 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	335.82	24.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.01	
For Gate With Single Barb Wire Arm, Add	28.75	
For Gate With Double Barb Wire Arm, Add	41.82	
32 31 13 13-0413 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	386.67	28.92
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.22	
For Gate With Single Barb Wire Arm, Add	32.98	
For Gate With Double Barb Wire Arm, Add	47.97	
32 31 13 13-0414 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	437.52	33.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.43	
For Gate With Single Barb Wire Arm, Add	37.21	
For Gate With Double Barb Wire Arm, Add	54.12	
32 31 13 13-0415 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	488.36	37.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.63	
For Gate With Single Barb Wire Arm, Add	41.44	
For Gate With Double Barb Wire Arm, Add	60.27	
32 31 13 13-0416 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	539.20	41.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.84	
For Gate With Single Barb Wire Arm, Add	45.67	
For Gate With Double Barb Wire Arm, Add	66.42	
32 31 13 13-0417 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	677.58	41.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.79	
For Gate With Single Barb Wire Arm, Add	60.89	
For Gate With Double Barb Wire Arm, Add	88.56	
32 31 13 13-0418 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	797.16	44.27
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.55	
For Gate With Single Barb Wire Arm, Add	73.07	
For Gate With Double Barb Wire Arm, Add	106.28	
32 31 13 13-0419 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	918.09	47.69
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.30	
For Gate With Single Barb Wire Arm, Add	85.24	
For Gate With Double Barb Wire Arm, Add	123.99	
32 31 13 13-0420 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,040.73	51.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-166.06	
For Gate With Single Barb Wire Arm, Add	97.42	
For Gate With Double Barb Wire Arm, Add	141.71	
32 31 13 13-0421 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,179.99	61.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.82	
For Gate With Single Barb Wire Arm, Add	109.60	
For Gate With Double Barb Wire Arm, Add	159.42	
32 31 13 13-0422 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,303.83	65.51
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-207.58	
For Gate With Single Barb Wire Arm, Add	121.78	
For Gate With Double Barb Wire Arm, Add	177.13	
32 31 13 13-0423 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,429.67	70.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.33	
For Gate With Single Barb Wire Arm, Add	133.96	
For Gate With Double Barb Wire Arm, Add	194.84	
32 31 13 13-0424 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,558.02	76.44
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-249.09	
For Gate With Single Barb Wire Arm, Add	146.13	
For Gate With Double Barb Wire Arm, Add	212.56	
32 31 13 13-0425 EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,689.60	83.41
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.85	
For Gate With Single Barb Wire Arm, Add	158.31	
For Gate With Double Barb Wire Arm, Add	230.27	
32 31 13 13-0426 EA 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,825.35	91.76
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-290.61	
For Gate With Single Barb Wire Arm, Add	170.49	
For Gate With Double Barb Wire Arm, Add	247.98	
32 31 13 13-0427 EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,966.66	101.92
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-311.36	
For Gate With Single Barb Wire Arm, Add	182.67	
For Gate With Double Barb Wire Arm, Add	265.70	
32 31 13 13-0428 5' Fence Height (32 31 13 13-0407)		
32 31 13 13-0429 EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	233.51	20.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.15	
For Gate With Single Barb Wire Arm, Add	18.86	
For Gate With Double Barb Wire Arm, Add	27.44	



		Exterior Improvements	32
		Site Improvements	32 30
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0430	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	290.67 -42.87 25.15 36.58	20.63
32 31	13 13-0431	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	337.42 -50.91 29.87 43.44	21.94
32 31	13 13-0432	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	393.46 -58.95 34.58 50.30	26.36
32 31	13 13-0433	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	449.52 -66.98 39.30 57.16	30.70
32 31	13 13-0434	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	506.34 -75.02 44.01 64.02	35.36
32 31	13 13-0435	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	562.39 -83.06 48.73 70.88	39.77
32 31	13 13-0436	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	618.44 -91.10 53.44 77.74	44.12
32 31	13 13-0437	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	818.82 -128.61 75.45 109.74	44.27
32 31	13 13-0438	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	966.22 -154.33 90.54 131.69	47.69
32 31	13 13-0439	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,115.33 -180.05 105.63 153.64	51.63
32 31	13 13-0440	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,281.08 -205.77 120.72 175.59	61.11
32 31	13 13-0441	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,431.39 -231.49 135.81 197.54	65.51
32 31	13 13-0442	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,583.70 -257.21 150.90 219.49	70.58
32 31	13 13-0443	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,738.53 -282.94 165.99 241.44	76.44
32 31	13 13-0444	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,896.58 -308.66 181.08 263.39	83.41
32 31	13 13-0445	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,058.80 -334.38 196.17 285.34	91.76
32 31	13 13-0446	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,226.59 -360.10 211.26 307.28	101.92
32 31	13 13-0447	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,402.02 -385.82 226.35 329.23	114.66
32 31	13 13-0448		6' Fence Height <small>(32 31 13 13-0407)</small>		
32 31	13 13-0449	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	249.71 -34.36 20.16 29.32	22.09
32 31	13 13-0450	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	310.79 -45.81 26.88 39.09	22.09

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0451	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	360.72	23.49
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.41	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.43	
32 31 13	13-0452	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	421.27	28.38
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.00	
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	53.76	
32 31 13	13-0453	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	481.81	33.34
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.59	
			<i>For Gate With Single Barb Wire Arm, Add</i>	42.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	61.09	
32 31 13	13-0454	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	541.58	37.99
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-80.18	
			<i>For Gate With Single Barb Wire Arm, Add</i>	47.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	68.42	
32 31 13	13-0455	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	602.13	42.88
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.77	
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.08	
			<i>For Gate With Double Barb Wire Arm, Add</i>	75.75	
32 31 13	13-0456	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	662.68	47.76
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-97.36	
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	83.08	
32 31 13	13-0457	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	876.18	47.69
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-137.45	
			<i>For Gate With Single Barb Wire Arm, Add</i>	80.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	117.29	
32 31 13	13-0458	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,034.71	51.63
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-164.93	
			<i>For Gate With Single Barb Wire Arm, Add</i>	96.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	140.74	
32 31 13	13-0459	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,223.01	65.51
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-192.42	
			<i>For Gate With Single Barb Wire Arm, Add</i>	112.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	164.20	
32 31 13	13-0460	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,384.75	70.58
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-219.91	
			<i>For Gate With Single Barb Wire Arm, Add</i>	129.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	187.66	
32 31 13	13-0461	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,549.00	76.44
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-247.40	
			<i>For Gate With Single Barb Wire Arm, Add</i>	145.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	211.11	
32 31 13	13-0462	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,743.57	83.41
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-279.97	
			<i>For Gate With Single Barb Wire Arm, Add</i>	164.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	238.91	
32 31 13	13-0463	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,893.05	91.76
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-303.30	
			<i>For Gate With Single Barb Wire Arm, Add</i>	177.94	
			<i>For Gate With Double Barb Wire Arm, Add</i>	258.82	
32 31 13	13-0464	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,065.35	101.92
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-329.87	
			<i>For Gate With Single Barb Wire Arm, Add</i>	193.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	281.49	
32 31 13	13-0465	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,250.20	114.66
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-357.35	
			<i>For Gate With Single Barb Wire Arm, Add</i>	209.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	304.94	
32 31 13	13-0466	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,446.00	131.01
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-384.84	
			<i>For Gate With Single Barb Wire Arm, Add</i>	225.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	328.40	
32 31 13	13-0467	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,658.20	152.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-412.33	
			<i>For Gate With Single Barb Wire Arm, Add</i>	241.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	351.86	
32 31 13	13-0468		7' Fence Height <small>(32 31 13 13-0407)</small>		
32 31 13	13-0469	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	264.05	23.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-36.09	
			<i>For Gate With Single Barb Wire Arm, Add</i>	21.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	30.80	
32 31 13	13-0470	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	328.22	23.80
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.12	
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.23	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.06	
32 31 13	13-0471	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	380.00	25.04
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-57.15	
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	48.77	



		Exterior Improvements	32
		Site Improvements	32 30
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0472	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	444.39 -66.17 38.82 56.46	30.47
32 31	13 13-0473	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	508.02 -75.19 44.11 64.16	35.67
32 31	13 13-0474	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	572.44 -84.22 49.41 71.87	41.01
32 31	13 13-0475	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	636.05 -93.24 54.70 79.56	46.21
32 31	13 13-0476	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	700.47 -102.26 59.99 87.26	51.63
32 31	13 13-0477	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	925.03 -144.37 84.70 123.19	51.63
32 31	13 13-0478	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,120.70 -173.24 101.63 147.83	65.51
32 31	13 13-0479	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,289.83 -202.11 118.57 172.47	70.58
32 31	13 13-0480	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,461.45 -230.98 135.51 197.11	76.44
32 31	13 13-0481	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,636.33 -259.86 152.45 221.75	83.41
32 31	13 13-0482	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,815.34 -288.73 169.39 246.38	91.76
32 31	13 13-0483	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,999.92 -317.60 186.32 271.02	101.92
32 31	13 13-0484	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,192.18 -346.48 203.27 295.66	114.66
32 31	13 13-0485	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,395.38 -375.35 220.21 320.30	131.01
32 31	13 13-0486	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,614.94 -404.22 237.14 344.94	152.87
32 31	13 13-0487	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,860.77 -433.10 254.08 369.58	183.44
32 31	13 13-0488		8' Fence Height <small>(32 31 13 13-0407)</small>		
32 31	13 13-0489	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	310.84 -43.74 25.66 37.33	25.82
32 31	13 13-0490	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	388.61 -58.33 34.22 49.77	25.82
32 31	13 13-0491	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	440.46 -68.05 39.92 58.07	25.82
32 31	13 13-0492	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	512.46 -77.77 45.62 66.36	32.57

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0493	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	584.46 -87.49 51.33 74.66	39.23
32 31 13	13-0494	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	655.70 -97.21 57.03 82.95	45.67
32 31 13	13-0495	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	727.70 -106.93 62.73 91.25	52.41
32 31 13	13-0496	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	799.70 -116.65 68.44 99.54	59.16
32 31 13	13-0497	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,129.98 -174.98 102.65 149.32	65.51
32 31 13	13-0498	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,331.75 -209.97 123.18 179.18	70.58
32 31 13	13-0499	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,536.04 -244.97 143.72 209.04	76.44
32 31 13	13-0500	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,743.56 -279.97 164.25 238.90	83.41
32 31 13	13-0501	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,955.24 -314.96 184.78 268.77	91.76
32 31 13	13-0502	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,172.49 -349.96 205.31 298.63	101.92
32 31 13	13-0503	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,397.39 -384.95 225.84 328.49	114.66
32 31 13	13-0504	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,633.22 -419.95 246.37 358.36	131.01
32 31 13	13-0505	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,885.45 -454.94 266.90 388.22	152.87
32 31 13	13-0506	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,163.92 -489.94 287.43 418.08	183.44
32 31 13	13-0507	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,488.29 -524.93 307.96 447.94	229.31
32 31 13	13-0508		10' Fence Height <small>(32 31 13 13-0407)</small>		
32 31 13	13-0509	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	356.79 -50.75 29.77 43.30	28.69
32 31 13	13-0510	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	447.01 -67.66 39.69 57.74	28.69
32 31 13	13-0511	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	510.94 -78.94 46.31 67.36	29.93
32 31 13	13-0512	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	592.80 -90.22 52.93 76.98	37.21
32 31 13	13-0513	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	673.88 -101.49 59.54 86.61	44.12



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0514	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	755.74 -112.77 66.16 96.23	51.40
32 31	13 13-0515	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	836.81 -124.05 72.77 105.85	58.38
32 31	13 13-0516	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	918.66 -135.32 79.39 115.48	65.59
32 31	13 13-0517	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,301.20 -202.98 119.08 173.21	72.82
32 31	13 13-0518	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,534.44 -243.58 142.90 207.85	78.33
32 31	13 13-0519	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,770.66 -284.18 166.72 242.50	84.96
32 31	13 13-0520	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,010.25 -324.77 190.53 277.14	92.62
32 31	13 13-0521	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,254.70 -365.37 214.35 311.78	101.92
32 31	13 13-0522	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,505.05 -405.97 238.17 346.42	113.19
32 31	13 13-0523	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,764.25 -446.56 261.98 381.07	127.40
32 31	13 13-0524	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,035.13 -487.16 285.80 415.71	145.47
32 31	13 13-0525	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,324.80 -527.76 309.62 450.35	169.84
32 31	13 13-0526	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,642.79 -568.35 333.43 484.99	203.66
32 31	13 13-0527	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,012.88 -608.95 357.25 519.64	254.79
32 31	13 13-0528		12' Fence Height <small>(32 31 13 13-0407)</small>		
32 31	13 13-0529	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	473.16 -70.77 41.52 60.39	31.87
32 31	13 13-0530	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	598.63 -94.30 55.32 80.47	31.87
32 31	13 13-0531	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	695.47 -111.79 65.59 95.40	33.03
32 31	13 13-0532	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	797.28 -126.38 74.14 107.84	41.01
32 31	13 13-0533	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	907.73 -142.58 83.65 121.67	49.08
32 31	13 13-0534	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,017.40 -158.78 93.15 135.49	56.83

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0535	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,127.85 -174.98 102.66 149.32	64.82
32 31 13	13-0536	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,229.65 -189.56 111.21 161.76	72.81
32 31 13	13-0537	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,758.79 -284.25 166.76 242.56	80.91
32 31 13	13-0538	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,129.97 -350.35 205.54 298.96	87.12
32 31 13	13-0539	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,465.07 -409.07 239.98 349.07	94.34
32 31 13	13-0540	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,801.84 -467.39 274.20 398.84	102.87
32 31 13	13-0541	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,139.74 -524.94 307.96 447.95	113.28
32 31 13	13-0542	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,488.30 -583.27 342.18 497.72	125.76
32 31 13	13-0543	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,846.93 -641.60 376.40 547.49	141.51
32 31 13	13-0544	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,218.41 -699.92 410.62 597.27	161.66
32 31 13	13-0545	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,621.14 -760.19 445.98 648.70	188.78
32 31 13	13-0546	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,044.95 -818.52 480.20 698.47	226.30
32 31 13	13-0547	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	5,526.68 -876.85 514.42 748.24	283.12
32 31 13	13-0548		Sliding Gate <small>(32 31 13 13-0265)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13	13-0549		4' High Sliding Gate <small>(32 31 13 13-0548)</small>		
32 31 13	13-0550	EA	10' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,563.60 110.52 301.42	279.41
32 31 13	13-0551	EA	12' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,880.29 132.63 361.71	337.35
32 31 13	13-0552	EA	14' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,193.83 154.73 421.99	393.55
32 31 13	13-0553	EA	16' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,512.27 176.84 482.28	452.35
32 31 13	13-0554	EA	18' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,826.34 198.94 542.57	508.91
32 31 13	13-0555	EA	20' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,129.96 221.05 602.85	560.21
32 31 13	13-0556	EA	24' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,742.91 263.31 718.11	674.60
32 31 13	13-0557	EA	30' Long x 4' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,560.96 331.57 904.27	1,273.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0558 EA 40' Long x 4' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,414.61 442.09 1,205.69	1,697.83
32 31 13 13-0559 5' High Sliding Gate (32 31 13 13-0548)		
32 31 13 13-0560 EA 10' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,642.50 113.77 310.28	304.12
32 31 13 13-0561 EA 12' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,970.16 136.52 372.34	364.55
32 31 13 13-0562 EA 14' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,298.36 159.28 434.40	425.23
32 31 13 13-0563 EA 16' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,626.94 182.03 496.45	486.09
32 31 13 13-0564 EA 18' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,955.11 204.79 558.51	546.69
32 31 13 13-0565 EA 20' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,283.50 227.54 620.57	607.46
32 31 13 13-0566 EA 24' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,923.64 271.05 739.22	729.78
32 31 13 13-0567 EA 30' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,925.57 341.31 930.85	911.41
32 31 13 13-0568 EA 40' Long x 5' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,567.01 455.08 1,241.13	1,214.92
32 31 13 13-0569 6' High Sliding Gate (32 31 13 13-0548)		
32 31 13 13-0570 EA 10' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,767.97 116.04 316.49	356.55
32 31 13 13-0571 EA 12' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,119.05 139.25 379.78	426.52
32 31 13 13-0572 EA 14' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,472.05 162.46 443.08	497.54
32 31 13 13-0573 EA 16' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,825.40 185.67 506.37	568.72
32 31 13 13-0574 EA 18' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,178.42 208.88 569.67	639.75
32 31 13 13-0575 EA 20' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,536.22 232.09 632.97	713.17
32 31 13 13-0576 EA 24' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,219.53 276.46 753.99	853.13
32 31 13 13-0577 EA 30' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,298.16 348.13 949.45	1,066.69
32 31 13 13-0578 EA 40' Long x 6' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,063.03 464.18 1,265.94	1,421.60
32 31 13 13-0579 7' High Sliding Gate (32 31 13 13-0548)		
32 31 13 13-0580 EA 10' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,891.66 120.59 328.89	397.69
32 31 13 13-0581 EA 12' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,269.37 144.71 394.67	476.88
32 31 13 13-0582 EA 14' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,648.37 168.83 460.44	556.76
32 31 13 13-0583 EA 16' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,026.01 192.95 526.22	635.96
32 31 13 13-0584 EA 18' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,404.39 217.07 592.00	715.57
32 31 13 13-0585 EA 20' Long x 7' High Sliding Gate For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,782.22 241.18 657.77	794.86

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0586	EA	24' Long x 7' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	4,519.36 287.30 783.54	953.76
32 31 13	13-0587	EA	30' Long x 7' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	5,673.33 361.77 986.66	1,192.20
32 31 13	13-0588	EA	40' Long x 7' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	7,564.44 482.37 1,315.55	1,589.63
32 31 13	13-0589		8' High Sliding Gate <small>(32 31 13 13-0548)</small>		
32 31 13	13-0590	EA	10' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	1,990.42 124.16 338.63	430.83
32 31 13	13-0591	EA	12' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,386.04 149.00 406.36	515.79
32 31 13	13-0592	EA	14' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,783.76 173.83 474.08	601.78
32 31 13	13-0593	EA	16' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,181.65 198.66 541.81	687.77
32 31 13	13-0594	EA	18' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,578.58 223.50 609.53	773.42
32 31 13	13-0595	EA	20' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,976.54 248.33 677.26	859.50
32 31 13	13-0596	EA	24' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	4,752.19 295.81 806.75	1,031.49
32 31 13	13-0597	EA	30' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	5,965.46 372.49 1,015.89	1,289.55
32 31 13	13-0598	EA	40' Long x 8' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	7,951.38 496.66 1,354.52	1,718.15
32 31 13	13-0599		9' High Sliding Gate <small>(32 31 13 13-0548)</small>		
32 31 13	13-0600	EA	10' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,107.14 128.39 350.15	470.00
32 31 13	13-0601	EA	12' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,525.07 154.06 420.18	562.27
32 31 13	13-0602	EA	14' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,945.70 179.74 490.21	655.84
32 31 13	13-0603	EA	16' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,367.09 205.42 560.24	749.84
32 31 13	13-0604	EA	18' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,787.88 231.10 630.26	843.49
32 31 13	13-0605	EA	20' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	4,208.67 256.78 700.30	937.15
32 31 13	13-0606	EA	24' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	5,029.60 305.87 834.19	1,124.46
32 31 13	13-0607	EA	30' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	6,312.22 385.16 1,050.44	1,405.41
32 31 13	13-0608	EA	40' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	8,419.37 513.55 1,400.59	1,875.41
32 31 13	13-0609		10' High Sliding Gate <small>(32 31 13 13-0548)</small>		
32 31 13	13-0610	EA	10' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,251.34 133.91 365.21	517.00
32 31 13	13-0611	EA	12' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,701.61 160.69 438.25	620.38
32 31 13	13-0612	EA	14' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,152.23 187.47 511.29	723.93
32 31 13	13-0613	EA	16' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,602.36 214.26 584.33	827.31



Exterior Improvements	32
Site Improvements	32 30
Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0614	EA	18' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,052.41 241.04 657.37	930.60
32 31	13 13-0615	EA	20' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,502.69 267.82 730.42	1,033.98
32 31	13 13-0616	EA	24' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,382.69 319.03 870.07	1,241.26
32 31	13 13-0617	EA	30' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,754.03 401.73 1,095.62	1,550.98
32 31	13 13-0618	EA	40' Long x 10' High Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,002.91 535.64 1,460.83	2,066.76
32 31	13 13-0619		Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller ⁽³²⁾ <small>^{31 13 13-0620} Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.</small>		
32 31	13 13-0620	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,841.87 236.86 344.52 1,033.55 452.18 645.97	344.31
32 31	13 13-0621	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,160.61 252.98 367.97 1,103.91 482.96 689.94	430.39
32 31	13 13-0622	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,481.35 269.32 391.74 1,175.23 514.16 734.52	516.47
32 31	13 13-0623	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,152.12 305.23 443.98 1,331.93 582.72 832.46	688.64
32 31	13 13-0624	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,898.84 277.37 403.45 1,210.35 529.53 756.47	688.64
32 31	13 13-0625	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,647.46 312.38 454.37 1,363.10 596.36 851.94	903.84
32 31	13 13-0626	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,097.74 424.56 617.55 1,852.64 810.53 1,157.90	1,119.03
32 31	13 13-0627	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,928.09 468.56 681.54 2,044.62 894.52 1,277.89	1,334.23
32 31	13 13-0628	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,606.52 317.34 461.59 1,384.77 605.84 865.48	860.80
32 31	13 13-0629	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,572.62 357.33 519.76 1,559.27 682.18 974.54	1,162.07

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0630	EA		8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	7,341.81	1,463.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	485.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	706.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,119.26	
			<i>For Powder Coated Gate And Post, Add</i>	927.18	
			<i>For Vinyl Coated, Add</i>	1,324.54	
32 31 13 13-0631	EA		8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	8,315.26	1,721.58
			<i>For Gate With Single Barb Wire Arm, Add</i>	535.93	
			<i>For Gate With Double Barb Wire Arm, Add</i>	779.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,338.60	
			<i>For Powder Coated Gate And Post, Add</i>	1,023.14	
			<i>For Vinyl Coated, Add</i>	1,461.62	
32 31 13 13-0632			Gate Accessories (32 31 13 13-0265)		
32 31 13 13-0633	EA		Gate Center Stop, Cast Steel, Ground.....	18.46	
32 31 13 13-0634	EA		Gate Latch, Malleable Galvanized Steel.....	30.93	
32 31 13 13-0635	EA		Gate Keeper, Full Length, Galvanized Steel.....	134.41	
32 31 13 13-0636	EA		Gate Keeper Hold-Open For Cantilever Gate.....	68.22	14.73
32 31 13 13-0637	EA		Heavy Duty Gate Latch, Malleable Galvanized Steel.....	39.00	
32 31 13 13-0638	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	766.28	
32 31 13 13-0639	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 6' To 8' High Gate.....	821.66	
32 31 13 13-0640	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 10' To 12' High Gate.....	877.02	
32 31 13 13-0641			Pipe Gate (32 31 13 13-0265)		
32 31 13 13-0642	EA		20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	2,116.28	
32 31 13 13-0643	EA		25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	2,637.89	
32 31 13 13-0644	EA		30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	3,136.91	
32 31 13 13-0645			Reinforced Gate (32 31 13 13-0265)		
			Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
32 31 13 13-0646	LF		Reinforced Single Gate, 4' High, Galvanized.....	230.50	9.30
			<i>For Vinyl Coated, Add</i>	127.13	
			<i>For Powder Coated, Add</i>	169.51	
			<i>For Aluminum Coated, Add</i>	264.86	
32 31 13 13-0647	LF		Reinforced Single Gate, 5' High, Galvanized.....	247.42	10.08
			<i>For Vinyl Coated, Add</i>	136.36	
			<i>For Powder Coated, Add</i>	181.81	
			<i>For Aluminum Coated, Add</i>	284.08	
32 31 13 13-0648	LF		Reinforced Single Gate, 6' High, Galvanized.....	264.56	11.24
			<i>For Vinyl Coated, Add</i>	145.25	
			<i>For Powder Coated, Add</i>	193.66	
			<i>For Aluminum Coated, Add</i>	302.60	
32 31 13 13-0649	LF		Reinforced Single Gate, 7' High, Galvanized.....	280.42	12.02
			<i>For Vinyl Coated, Add</i>	153.83	
			<i>For Powder Coated, Add</i>	205.11	
			<i>For Aluminum Coated, Add</i>	320.49	
32 31 13 13-0650	LF		Reinforced Single Gate, 8' High, Galvanized.....	297.58	13.57
			<i>For Vinyl Coated, Add</i>	162.26	
			<i>For Powder Coated, Add</i>	216.35	
			<i>For Aluminum Coated, Add</i>	338.05	
32 31 13 13-0651	LF		Reinforced Double Gate, 4' High, Galvanized.....	160.53	9.30
			<i>For Vinyl Coated, Add</i>	85.15	
			<i>For Powder Coated, Add</i>	113.54	
			<i>For Aluminum Coated, Add</i>	177.40	
32 31 13 13-0652	LF		Reinforced Double Gate, 5' High, Galvanized.....	179.84	10.08
			<i>For Vinyl Coated, Add</i>	95.81	
			<i>For Powder Coated, Add</i>	127.74	
			<i>For Aluminum Coated, Add</i>	199.60	
32 31 13 13-0653	LF		Reinforced Double Gate, 6' High, Galvanized.....	199.28	11.24
			<i>For Vinyl Coated, Add</i>	106.08	
			<i>For Powder Coated, Add</i>	141.44	
			<i>For Aluminum Coated, Add</i>	221.00	
32 31 13 13-0654	LF		Reinforced Double Gate, 7' High, Galvanized.....	253.37	12.02
			<i>For Vinyl Coated, Add</i>	137.60	
			<i>For Powder Coated, Add</i>	183.47	
			<i>For Aluminum Coated, Add</i>	286.68	
32 31 13 13-0655	LF		Reinforced Double Gate, 8' High, Galvanized.....	307.75	13.57
			<i>For Vinyl Coated, Add</i>	168.37	
			<i>For Powder Coated, Add</i>	224.49	
			<i>For Aluminum Coated, Add</i>	350.76	
32 31 13 13-0656			Accessories (32 31 13 13)		
32 31 13 13-0657			Barbed And Concertina Wire (32 31 13 13-0656)		
32 31 13 13-0658			Single Strand Barbed Wire (32 31 13 13-0657)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0659 LF Galvanized Barbed Wire, Per Strand.....	0.83	0.39
Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
For >500 To 2,000, Deduct	-0.08	
For >2,000, Deduct	-0.12	
32 31 13 13-0660 LF Vinyl Coated Barbed Wire (Fused), Per Strand	0.91	0.39
Note: Includes clips.		
For >500 To 2,000, Deduct	-0.08	
For >2,000, Deduct	-0.13	
32 31 13 13-0661 EA Barbed Wire Extension Arms 3 Strands (Single Arm).....	8.43	6.21
32 31 13 13-0662 EA Barbed Wire Extension Arms 6 Strands (Double Arm)	12.87	7.44
32 31 13 13-0663 EA Barbed Wire Eye Tops (For Single Strand).....	9.03	6.21
32 31 13 13-0664 Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0657)</small>		
32 31 13 13-0665 LF 18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.55	0.54
For >500 To 1,500, Deduct	-0.23	
For >1,500 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-0.67	
For Ground Installation, Deduct	-0.39	
For Double Coil (Helix), Add	1.78	
32 31 13 13-0666 LF 18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.84	0.54
For >500 To 1,500, Deduct	-0.35	
For >1,500 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-1.00	
For Ground Installation, Deduct	-0.58	
For Double Coil (Helix), Add	2.68	
32 31 13 13-0667 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	5.10	0.54
For >500 To 1,500, Deduct	-0.46	
For >1,500 To 5,000, Deduct	-0.92	
For >5,000, Deduct	-1.33	
For Ground Installation, Deduct	-0.78	
For Double Coil (Helix), Add	3.55	
32 31 13 13-0668 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.12	0.54
For >500 To 1,500, Deduct	-0.28	
For >1,500 To 5,000, Deduct	-0.55	
For >5,000, Deduct	-0.80	
For Ground Installation, Deduct	-0.43	
For Double Coil (Helix), Add	2.26	
32 31 13 13-0669 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.70	0.54
For >500 To 1,500, Deduct	-0.42	
For >1,500 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.20	
For Ground Installation, Deduct	-0.65	
For Double Coil (Helix), Add	3.41	
32 31 13 13-0670 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.22	0.54
For >500 To 1,500, Deduct	-0.55	
For >1,500 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-1.59	
For Ground Installation, Deduct	-0.86	
For Double Coil (Helix), Add	4.51	
32 31 13 13-0671 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.43	0.54
For >500 To 1,500, Deduct	-0.61	
For >1,500 To 5,000, Deduct	-1.21	
For >5,000, Deduct	-1.68	
For Ground Installation, Deduct	-0.49	
For Double Coil (Helix), Add	6.46	
32 31 13 13-0672 LF 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.22	0.54
For >500 To 1,500, Deduct	-0.91	
For >1,500 To 5,000, Deduct	-1.83	
For >5,000, Deduct	-2.53	
For Ground Installation, Deduct	-0.73	
For Double Coil (Helix), Add	9.77	
32 31 13 13-0673 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.86	0.54
For >500 To 1,500, Deduct	-1.21	
For >1,500 To 5,000, Deduct	-2.42	
For >5,000, Deduct	-3.36	
For Ground Installation, Deduct	-0.97	
For Double Coil (Helix), Add	12.92	

32 31 13 13-0674 Stainless Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0657)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0675 LF 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.15	0.54
For >500 To 1,500, Deduct	-0.28	
For >1,500 To 5,000, Deduct	-0.55	
For >5,000, Deduct	-0.79	
For Ground Installation, Deduct	-0.39	
For Double Coil (Helix), Add	2.38	
32 31 13 13-0676 LF 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.75	0.54
For >500 To 1,500, Deduct	-0.41	
For >1,500 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.18	
For Ground Installation, Deduct	-0.58	
For Double Coil (Helix), Add	3.59	
32 31 13 13-0677 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	6.30	0.54
For >500 To 1,500, Deduct	-0.55	
For >1,500 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-1.57	
For Ground Installation, Deduct	-0.78	
For Double Coil (Helix), Add	4.75	
32 31 13 13-0678 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	3.92	0.54
For >500 To 1,500, Deduct	-0.34	
For >1,500 To 5,000, Deduct	-0.67	
For >5,000, Deduct	-0.96	
For Ground Installation, Deduct	-0.43	
For Double Coil (Helix), Add	3.06	
32 31 13 13-0679 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.91	0.54
For >500 To 1,500, Deduct	-0.51	
For >1,500 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-1.44	
For Ground Installation, Deduct	-0.65	
For Double Coil (Helix), Add	4.62	
32 31 13 13-0680 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	7.82	0.54
For >500 To 1,500, Deduct	-0.67	
For >1,500 To 5,000, Deduct	-1.34	
For >5,000, Deduct	-1.91	
For Ground Installation, Deduct	-0.86	
For Double Coil (Helix), Add	6.11	
32 31 13 13-0681 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.46	0.54
For >500 To 1,500, Deduct	-0.83	
For >1,500 To 5,000, Deduct	-1.67	
For >5,000, Deduct	-2.29	
For Ground Installation, Deduct	-0.49	
For Double Coil (Helix), Add	9.49	
32 31 13 13-0682 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.81	0.54
For >500 To 1,500, Deduct	-1.26	
For >1,500 To 5,000, Deduct	-2.52	
For >5,000, Deduct	-3.45	
For Ground Installation, Deduct	-0.73	
For Double Coil (Helix), Add	14.36	
32 31 13 13-0683 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.92	0.54
For >500 To 1,500, Deduct	-1.67	
For >1,500 To 5,000, Deduct	-3.33	
For >5,000, Deduct	-4.57	
For Ground Installation, Deduct	-0.97	
For Double Coil (Helix), Add	18.98	
32 31 13 13-0684 Grounding For Gates (32 31 13 13-0656) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0685 OPN Grounding For Gates (Per Opening).....	375.96	
32 31 13 13-0686 Coiled Spring Reinforcing Wire (32 31 13 13-0656)		
32 31 13 13-0687 Galvanized Steel (32 31 13 13-0686)		
32 31 13 13-0688 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.89	0.39
32 31 13 13-0689 Vinyl Coated Steel (32 31 13 13-0686)		
32 31 13 13-0690 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.89	0.39
32 31 13 13-0691 Bending Of Fabric Around Pipe Railings (32 31 13 13-0656) Note: Only where specified.		
32 31 13 13-0692 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.25	
32 31 13 13-0693 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.09	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0694

Mounting Plate With Anchors Or Bolts (32 31 13 13-0656)

Note: For drilling for anchor or bolts, installing post on or against flat surface.

32 31 13 13-0695	EA		Mounting Plate For 1-5/8" Diameter Post.....	28.31	
32 31 13 13-0696	EA		Mounting Plate For 2" Diameter Post.....	28.71	
32 31 13 13-0697	EA		Mounting Plate For 2-1/2" Diameter Post.....	29.61	
32 31 13 13-0698	EA		Mounting Plate For 3" Diameter Post.....	35.15	
32 31 13 13-0699	EA		Mounting Plate For 4" Diameter Post.....	40.09	
32 31 13 13-0700	EA		Mounting Plate For 6-5/8" Diameter Post.....	46.01	
32 31 13 13-0701	EA		Mounting Plate For 8-5/8" Diameter Post.....	53.82	

32 31 13 13-0702

Tension Bar (32 31 13 13-0656)

32 31 13 13-0703	EA		3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	9.46	
32 31 13 13-0704	EA		3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	10.00	
32 31 13 13-0705	EA		4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	11.51	
32 31 13 13-0706	EA		5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	13.03	
32 31 13 13-0707	EA		6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	14.89	
32 31 13 13-0708	EA		7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	16.82	
32 31 13 13-0709	EA		8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.88	
32 31 13 13-0710	EA		9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	22.00	
32 31 13 13-0711	EA		10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.18	

32 31 13 13-0712

Fence And Gate Repair And Replacement (32 31 13 13)

32 31 13 13-0713

Fence And Gate Parts Replacement (32 31 13 13-0712)

32 31 13 13-0714	EA		Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	83.99	
32 31 13 13-0715	EA		Sliding Gate Roller Assembly Replacement	84.77	
32 31 13 13-0716	EA		Rod And Lock Gate Keeper Replacement	82.16	
32 31 13 13-0717	EA		Galvanized Gate Holdback Replacement	20.12	
32 31 13 13-0718	LF		3/8" Cross Bracing Rod Replacement.....	1.09	
32 31 13 13-0719	LF		1-5/8" Diagonal Pipe Bracing Replacement	1.67	
32 31 13 13-0720	EA		2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	11.42	
32 31 13 13-0721	EA		3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	13.28	
32 31 13 13-0722	EA		4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	15.07	
32 31 13 13-0723	EA		6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	26.53	
32 31 13 13-0724	EA		8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	31.66	
32 31 13 13-0725	EA		2-1/2" x 2" Off Set Gate Hinge Replacement	17.96	
32 31 13 13-0726	EA		3" x 2" Off Set Gate Hinge Replacement	18.78	
32 31 13 13-0727	EA		4" x 2" Off Set Gate Hinge Replacement	20.08	
32 31 13 13-0728	EA		6-5/8" x 2" Off Set Gate Hinge Replacement	31.02	
32 31 13 13-0729	EA		8-5/8" x 2" Off Set Gate Hinge Replacement	47.10	
32 31 13 13-0730	EA		1-5/8" Aluminum Die-Cast Post Cap Replacement	4.01	
32 31 13 13-0731	EA		2" Aluminum Die-Cast Post Cap Replacement	4.39	
32 31 13 13-0732	EA		2-1/2" Aluminum Die-Cast Post Cap Replacement	4.96	
32 31 13 13-0733	EA		3" Aluminum Die-Cast Post Cap Replacement	5.61	
32 31 13 13-0734	EA		2" Galvanized Post Cap Replacement.....	4.83	
32 31 13 13-0735	EA		2-1/2" Galvanized Post Cap Replacement.....	5.25	
32 31 13 13-0736	EA		3" Galvanized Post Cap Replacement.....	5.97	
32 31 13 13-0737	EA		4" Galvanized Post Cap Replacement.....	8.40	
32 31 13 13-0738	EA		6-5/8" Galvanized Post Cap Replacement.....	14.55	
32 31 13 13-0739	EA		8-5/8" Galvanized Post Cap Replacement.....	23.30	
32 31 13 13-0740	EA		1-5/8" Boulevard Clamp Replacement.....	8.22	
32 31 13 13-0741	EA		2" Boulevard Clamp Replacement.....	9.99	
32 31 13 13-0742	EA		2-1/2" Boulevard Clamp Replacement.....	11.72	
32 31 13 13-0743	EA		3" Boulevard Clamp Replacement	14.22	
32 31 13 13-0744	EA		1-5/8" Gate Brace Or End Rail Clamp Replacement	8.09	
32 31 13 13-0745	EA		2" Gate Brace Or End Rail Clamp Replacement.....	9.82	
32 31 13 13-0746	EA		2-1/2" Gate Brace Or End Rail Clamp Replacement	11.55	
32 31 13 13-0747	EA		3" Gate Brace Or End Rail Clamp Replacement.....	14.04	
32 31 13 13-0748	EA		1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	8.29	
32 31 13 13-0749	EA		1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.34	
32 31 13 13-0750	EA		2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.49	
32 31 13 13-0751	EA		2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.43	
32 31 13 13-0752	EA		3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.54	
32 31 13 13-0753	EA		3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.63	
32 31 13 13-0754	EA		4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.89	
32 31 13 13-0755	EA		6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.82	

32 31 13 13-0756

Remove And Reinstall Chain Link Fences (32 31 13 13)

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0757	LF		Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	15.51	
32 31 13 13-0758	LF		Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	23.26	

32 31 13 33

Chain Link Backstops (32 31 13)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0001 Regulation Baseball Backstop <small>(32 31 13 33)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	8,219.89	1,584.77
32 31 13 33-0003 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	11,779.65	2,113.03
32 31 13 33-0004 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	14,910.52	2,465.20
32 31 13 33-0005 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	11,251.29	1,584.77
32 31 13 33-0006 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	16,315.58	2,113.03
32 31 13 33-0007 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	20,896.38	2,465.20
32 31 13 33-0008 Regulation Softball Backstop <small>(32 31 13 33)</small> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009 14' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010 EA 14' Softball Backstop, Galvanized Regulation.....	6,950.34	1,497.00
32 31 13 33-0011 EA 14' Softball Backstop, Vinyl Coated Regulation.....	9,124.51	1,497.00
32 31 13 33-0012 18' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013 EA 18' Softball Backstop, Galvanized Regulation.....	8,081.76	1,664.26
32 31 13 33-0014 EA 18' Softball Backstop Vinyl Coated Regulation.....	10,711.80	1,664.26
32 31 13 33-0015 20' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016 EA 20' Softball Backstop, Galvanized Regulation.....	9,101.03	1,754.72
32 31 13 33-0017 EA 20' Softball Backstop, Vinyl Coated Regulation.....	12,222.05	1,754.72
32 31 13 33-0018 22' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019 EA 22' Softball Backstop, Galvanized Regulation.....	10,427.20	1,807.66
32 31 13 33-0020 EA 22' Softball Backstop, Vinyl Coated Regulation.....	14,179.39	1,807.66
32 31 13 33-0021 24' High Softball Backstop <small>(32 31 13 33-0008)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022 EA 24' Softball Backstop, Galvanized Regulation.....	12,339.78	2,065.91
32 31 13 33-0023 EA 24' Softball Backstop, Vinyl Coated Regulation.....	17,003.71	2,065.91
32 31 16 Welded Wire Fences And Gates <small>(32 31)</small>		
32 31 16 00-0001 Welded Wire Fence <small>(32 31 16)</small>		
32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.		
32 31 16 00-0003 LF 3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	7.47	1.41
32 31 16 00-0004 LF 5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	7.92	1.41
32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh <small>(32 31 16 00-0001)</small> Note: Posts 5' on center.		
32 31 16 00-0006 LF 3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	7.38	1.41
32 31 16 00-0007 LF 5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	7.78	1.41
32 31 19 Decorative Metal Fences And Gates <small>(32 31)</small> See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001 Wrought Iron Fence <small>(32 31 19)</small> Note: Factory primed.		
32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0003 LF 3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	58.17	8.52
For Verticals Up To 2" On Center, Add	8.22	
For Verticals >2" To 2-1/2" On Center, Add	4.11	
For Verticals >3" To 4" On Center, Deduct	-4.11	
For Verticals >4" To 6" On Center, Deduct	-8.22	
32 31 19 00-0004 LF 4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center.....	75.45	10.85
For Verticals Up To 2" On Center, Add	10.90	
For Verticals >2" To 2-1/2" On Center, Add	5.45	
For Verticals >3" To 4" On Center, Deduct	-5.45	
For Verticals >4" To 6" On Center, Deduct	-10.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0005 LF 5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	91.51 13.74 6.87 -6.87 -13.74	11.32
32 31 19 00-0006 LF 6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	111.02 16.73 8.37 -8.37 -16.73	13.65
32 31 19 00-0007 LF 7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	132.87 20.80 10.40 -10.40 -20.80	14.44
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	154.69 24.86 12.43 -12.43 -24.86	15.20
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	190.68 31.31 15.66 -15.66 -31.31	17.06
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	226.76 37.60 18.80 -18.80 -37.60	19.39
32 31 19 00-0011 Wrought Iron Gates <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates <small>(32 31 19 00-0011)</small> Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	72.39	10.39
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	95.08	12.87
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	117.21	15.51
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	142.86	18.61
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	198.63	20.63
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	244.05	22.79
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	288.56	25.89
32 31 19 00-0020 Double Wrought Iron Gates <small>(32 31 19 00-0011)</small> Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	89.16	9.30
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	117.61	11.63
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	144.48	13.96
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	175.76	16.75
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	245.28	18.61
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	301.80	20.47
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	357.26	23.26
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence <small>(32 31 19 00-0001)</small>		
32 31 19 00-0029 LF Replace Wrought Iron Picket	17.78	
32 31 19 00-0030 LF Replace Wrought Iron Post.....	27.82	
32 31 19 00-0031 EA Straighten Wrought Iron Post.....	62.03	
32 31 19 00-0032 Steel Tube Fence, Galvanized <small>(32 31 19)</small> Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail <small>(32 31 19 00-0032)</small>		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts..... <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i> <i>For Powder Coated Finish, Add</i> <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For Color, Add</i> <i>For 3" Square Posts, Add</i>	42.09 5.07 2.54 -2.54 -5.07 3.81 8.22 5.10 1.90 6.34 1.27 2.54	8.52

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0035	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	47.93	10.08
		<i>For Verticals Up To 2" On Center, Add</i>	5.64	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.82	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.82	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.64	
		<i>For Powder Coated Finish, Add</i>	4.23	
		<i>For Solid Pickets, Add</i>	9.30	
		<i>For Aluminum With Satin Finish, Add</i>	5.49	
		<i>For Third Rail, Add</i>	2.11	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.05	
		<i>For Color, Add</i>	1.41	
		<i>For 3" Square Posts, Add</i>	2.82	
32 31 19 00-0036	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	51.68	11.32
		<i>For Verticals Up To 2" On Center, Add</i>	5.78	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	2.89	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-2.89	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-5.78	
		<i>For Powder Coated Finish, Add</i>	4.33	
		<i>For Solid Pickets, Add</i>	9.92	
		<i>For Aluminum With Satin Finish, Add</i>	5.25	
		<i>For Third Rail, Add</i>	2.17	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	7.22	
		<i>For Color, Add</i>	1.44	
		<i>For 3" Square Posts, Add</i>	2.89	
32 31 19 00-0037	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	59.63	12.79
		<i>For Verticals Up To 2" On Center, Add</i>	6.81	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.41	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.41	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-6.81	
		<i>For Powder Coated Finish, Add</i>	5.11	
		<i>For Solid Pickets, Add</i>	11.50	
		<i>For Aluminum With Satin Finish, Add</i>	6.38	
		<i>For Third Rail, Add</i>	2.55	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	8.51	
		<i>For Color, Add</i>	1.70	
		<i>For 3" Square Posts, Add</i>	3.41	
32 31 19 00-0038	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	67.80	13.96
		<i>For Verticals Up To 2" On Center, Add</i>	7.98	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.99	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.99	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-7.98	
		<i>For Powder Coated Finish, Add</i>	5.98	
		<i>For Solid Pickets, Add</i>	13.16	
		<i>For Aluminum With Satin Finish, Add</i>	7.78	
		<i>For Third Rail, Add</i>	2.99	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	9.97	
		<i>For Color, Add</i>	1.99	
		<i>For 4" Square Posts, Add</i>	13.96	
32 31 19 00-0039	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	76.12	15.20
		<i>For Verticals Up To 2" On Center, Add</i>	9.15	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.57	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.57	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-9.15	
		<i>For Powder Coated Finish, Add</i>	6.86	
		<i>For Solid Pickets, Add</i>	14.85	
		<i>For Aluminum With Satin Finish, Add</i>	9.16	
		<i>For Third Rail, Add</i>	3.43	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.43	
		<i>For Color, Add</i>	2.29	
		<i>For 4" Square Posts, Add</i>	16.01	
32 31 19 00-0040	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	87.56	16.28
		<i>For Verticals Up To 2" On Center, Add</i>	11.00	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.50	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.50	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-11.00	
		<i>For Powder Coated Finish, Add</i>	8.25	
		<i>For Solid Pickets, Add</i>	17.26	
		<i>For Aluminum With Satin Finish, Add</i>	11.61	
		<i>For Third Rail, Add</i>	4.12	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.75	
		<i>For Color, Add</i>	2.75	
		<i>For 4" Square Posts, Add</i>	19.25	
32 31 19 00-0041	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	99.14	17.45
		<i>For Verticals Up To 2" On Center, Add</i>	12.85	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.43	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.43	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-12.85	
		<i>For Powder Coated Finish, Add</i>	9.64	
		<i>For Solid Pickets, Add</i>	19.69	
		<i>For Aluminum With Satin Finish, Add</i>	14.04	
		<i>For Third Rail, Add</i>	4.82	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	16.06	
		<i>For Color, Add</i>	3.21	
		<i>For 6" Square Posts, Add</i>	22.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042 LF 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	115.97	19.39
<i>For Verticals Up To 2" On Center, Add</i>	15.44	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	7.72	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-7.72	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-15.44	
<i>For Powder Coated Finish, Add</i>	11.58	
<i>For Solid Pickets, Add</i>	23.19	
<i>For Aluminum With Satin Finish, Add</i>	17.35	
<i>For Third Rail, Add</i>	5.79	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	19.30	
<i>For Color, Add</i>	3.86	
<i>For 6" Square Posts, Add</i>	27.02	
32 31 19 00-0043 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	124.35	20.94
<i>For Verticals Up To 2" On Center, Add</i>	16.50	
<i>For Verticals >2" To 2-1/2" On Center, Add</i>	8.25	
<i>For Verticals >3" To 4" On Center, Deduct</i>	-8.25	
<i>For Verticals >4" To 6" On Center, Deduct</i>	-16.50	
<i>For Powder Coated Finish, Add</i>	12.37	
<i>For Solid Pickets, Add</i>	24.84	
<i>For Aluminum With Satin Finish, Add</i>	18.46	
<i>For Third Rail, Add</i>	6.19	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	20.62	
<i>For Color, Add</i>	4.12	
<i>For 6" Square Posts, Add</i>	28.87	
32 31 19 00-0044 Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0045 4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0044)		
32 31 19 00-0046 EA 4' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	638.32	19.39
<i>For Solid Pickets, Add</i>	139.26	
<i>For Aluminum With Satin Finish, Add</i>	165.33	
<i>For Third Rail, Add</i>	43.51	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	58.02	
<i>For Color, Add</i>	29.01	
32 31 19 00-0047 EA 5' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	711.82	20.63
<i>For Solid Pickets, Add</i>	155.51	
<i>For Aluminum With Satin Finish, Add</i>	185.63	
<i>For Third Rail, Add</i>	48.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.98	
<i>For Color, Add</i>	32.49	
32 31 19 00-0048 EA 6' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	770.66	24.81
<i>For Solid Pickets, Add</i>	167.81	
<i>For Aluminum With Satin Finish, Add</i>	197.70	
<i>For Third Rail, Add</i>	52.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
<i>For Color, Add</i>	34.81	
32 31 19 00-0049 EA 7' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	945.50	28.92
<i>For Solid Pickets, Add</i>	206.22	
<i>For Aluminum With Satin Finish, Add</i>	244.57	
<i>For Third Rail, Add</i>	64.40	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.87	
<i>For Color, Add</i>	42.93	
32 31 19 00-0050 EA 8' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,061.54	28.92
<i>For Solid Pickets, Add</i>	232.33	
<i>For Aluminum With Satin Finish, Add</i>	279.38	
<i>For Third Rail, Add</i>	73.10	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.47	
<i>For Color, Add</i>	48.73	
32 31 19 00-0051 EA 9' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,179.17	37.21
<i>For Solid Pickets, Add</i>	256.94	
<i>For Aluminum With Satin Finish, Add</i>	303.51	
<i>For Third Rail, Add</i>	80.06	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.75	
<i>For Color, Add</i>	53.38	
32 31 19 00-0052 EA 10' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,284.39	41.32
<i>For Solid Pickets, Add</i>	279.68	
<i>For Aluminum With Satin Finish, Add</i>	329.49	
<i>For Third Rail, Add</i>	87.03	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.03	
<i>For Color, Add</i>	58.02	
32 31 19 00-0053 5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0044)		
32 31 19 00-0054 EA 4' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	688.62	20.63
<i>For Solid Pickets, Add</i>	150.29	
<i>For Aluminum With Satin Finish, Add</i>	178.67	
<i>For Third Rail, Add</i>	46.99	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.66	
<i>For Color, Add</i>	31.33	
32 31 19 00-0055 EA 5' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	762.12	21.94
<i>For Solid Pickets, Add</i>	166.53	
<i>For Aluminum With Satin Finish, Add</i>	198.98	
<i>For Third Rail, Add</i>	52.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
<i>For Color, Add</i>	34.81	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0056	EA 6' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	821.71	26.36
	<i>For Solid Pickets, Add</i>	178.95	
	<i>For Aluminum With Satin Finish, Add</i>	210.92	
	<i>For Third Rail, Add</i>	55.70	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.26	
	<i>For Color, Add</i>	37.13	
32 31 19 00-0057	EA 7' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	997.34	30.70
	<i>For Solid Pickets, Add</i>	217.48	
	<i>For Aluminum With Satin Finish, Add</i>	257.68	
	<i>For Third Rail, Add</i>	67.88	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.51	
	<i>For Color, Add</i>	45.25	
32 31 19 00-0058	EA 8' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	1,150.54	35.36
	<i>For Solid Pickets, Add</i>	250.90	
	<i>For Aluminum With Satin Finish, Add</i>	297.36	
	<i>For Third Rail, Add</i>	78.32	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.43	
	<i>For Color, Add</i>	52.22	
32 31 19 00-0059	EA 9' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	1,256.54	39.77
	<i>For Solid Pickets, Add</i>	273.77	
	<i>For Aluminum With Satin Finish, Add</i>	323.23	
	<i>For Third Rail, Add</i>	85.29	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.71	
	<i>For Color, Add</i>	56.86	
32 31 19 00-0060	EA 10' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim	1,385.76	44.12
	<i>For Solid Pickets, Add</i>	301.85	
	<i>For Aluminum With Satin Finish, Add</i>	356.06	
	<i>For Third Rail, Add</i>	93.99	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	125.32	
	<i>For Color, Add</i>	62.66	
32 31 19 00-0061	6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0062	EA 4' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	762.66	22.09
	<i>For Solid Pickets, Add</i>	166.61	
	<i>For Aluminum With Satin Finish, Add</i>	198.90	
	<i>For Third Rail, Add</i>	52.22	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.62	
	<i>For Color, Add</i>	34.81	
32 31 19 00-0063	EA 5' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	836.40	23.49
	<i>For Solid Pickets, Add</i>	182.90	
	<i>For Aluminum With Satin Finish, Add</i>	219.16	
	<i>For Third Rail, Add</i>	57.44	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.58	
	<i>For Color, Add</i>	38.29	
32 31 19 00-0064	EA 6' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	897.53	28.38
	<i>For Solid Pickets, Add</i>	195.55	
	<i>For Aluminum With Satin Finish, Add</i>	230.88	
	<i>For Third Rail, Add</i>	60.92	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.22	
	<i>For Color, Add</i>	40.61	
32 31 19 00-0065	EA 7' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,074.71	33.34
	<i>For Solid Pickets, Add</i>	234.31	
	<i>For Aluminum With Satin Finish, Add</i>	277.40	
	<i>For Third Rail, Add</i>	73.10	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	97.47	
	<i>For Color, Add</i>	48.73	
32 31 19 00-0066	EA 8' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,213.98	37.99
	<i>For Solid Pickets, Add</i>	264.60	
	<i>For Aluminum With Satin Finish, Add</i>	312.91	
	<i>For Third Rail, Add</i>	82.50	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.00	
	<i>For Color, Add</i>	55.00	
32 31 19 00-0067	EA 9' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,335.47	42.88
	<i>For Solid Pickets, Add</i>	290.83	
	<i>For Aluminum With Satin Finish, Add</i>	342.72	
	<i>For Third Rail, Add</i>	90.51	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.68	
	<i>For Color, Add</i>	60.34	
32 31 19 00-0068	EA 10' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim	1,466.22	47.76
	<i>For Solid Pickets, Add</i>	319.14	
	<i>For Aluminum With Satin Finish, Add</i>	375.32	
	<i>For Third Rail, Add</i>	99.21	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.28	
	<i>For Color, Add</i>	66.14	
32 31 19 00-0069	7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0070	EA 4' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim	776.44	23.80
	<i>For Solid Pickets, Add</i>	169.33	
	<i>For Aluminum With Satin Finish, Add</i>	200.73	
	<i>For Third Rail, Add</i>	52.87	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.49	
	<i>For Color, Add</i>	35.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0071 EA 5' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	863.01	25.04
For Solid Pickets, Add	188.54	
For Aluminum With Satin Finish, Add	225.06	
For Third Rail, Add	59.09	
For 1" Square x 14 Gauge Pickets, Add	78.78	
For Color, Add	39.39	
32 31 19 00-0072 EA 6' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	945.63	30.47
For Solid Pickets, Add	205.91	
For Aluminum With Satin Finish, Add	242.52	
For Third Rail, Add	64.06	
For 1" Square x 14 Gauge Pickets, Add	85.41	
For Color, Add	42.71	
32 31 19 00-0073 EA 7' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,164.30	35.67
For Solid Pickets, Add	253.94	
For Aluminum With Satin Finish, Add	301.14	
For Third Rail, Add	79.30	
For 1" Square x 14 Gauge Pickets, Add	105.73	
For Color, Add	52.87	
32 31 19 00-0074 EA 8' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,387.90	41.01
For Solid Pickets, Add	303.03	
For Aluminum With Satin Finish, Add	360.89	
For Third Rail, Add	94.85	
For 1" Square x 14 Gauge Pickets, Add	126.46	
For Color, Add	63.23	
32 31 19 00-0075 EA 9' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,424.13	46.21
For Solid Pickets, Add	310.02	
For Aluminum With Satin Finish, Add	364.79	
For Third Rail, Add	96.40	
For 1" Square x 14 Gauge Pickets, Add	128.54	
For Color, Add	64.27	
32 31 19 00-0076 EA 10' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,564.81	51.63
For Solid Pickets, Add	340.45	
For Aluminum With Satin Finish, Add	399.66	
For Third Rail, Add	105.73	
For 1" Square x 14 Gauge Pickets, Add	140.97	
For Color, Add	70.49	
32 31 19 00-0077 8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0078 EA 4' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	865.34	25.82
For Solid Pickets, Add	188.89	
For Aluminum With Satin Finish, Add	224.71	
For Third Rail, Add	59.09	
For 1" Square x 14 Gauge Pickets, Add	78.78	
For Color, Add	39.39	
32 31 19 00-0079 EA 5' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	977.90	28.77
For Solid Pickets, Add	213.54	
For Aluminum With Satin Finish, Add	254.47	
For Third Rail, Add	66.86	
For 1" Square x 14 Gauge Pickets, Add	89.15	
For Color, Add	44.57	
32 31 19 00-0080 EA 6' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,009.87	32.57
For Solid Pickets, Add	219.89	
For Aluminum With Satin Finish, Add	259.00	
For Third Rail, Add	68.41	
For 1" Square x 14 Gauge Pickets, Add	91.22	
For Color, Add	45.61	
32 31 19 00-0081 EA 7' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,258.08	39.23
For Solid Pickets, Add	274.23	
For Aluminum With Satin Finish, Add	324.39	
For Third Rail, Add	85.52	
For 1" Square x 14 Gauge Pickets, Add	114.02	
For Color, Add	57.01	
32 31 19 00-0082 EA 8' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,484.79	45.67
For Solid Pickets, Add	323.78	
For Aluminum With Satin Finish, Add	383.68	
For Third Rail, Add	101.07	
For 1" Square x 14 Gauge Pickets, Add	134.76	
For Color, Add	67.38	
32 31 19 00-0083 EA 9' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,546.40	52.41
For Solid Pickets, Add	336.14	
For Aluminum With Satin Finish, Add	393.09	
For Third Rail, Add	104.18	
For 1" Square x 14 Gauge Pickets, Add	138.90	
For Color, Add	69.45	
32 31 19 00-0084 EA 10' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,649.48	59.16
For Solid Pickets, Add	357.82	
For Aluminum With Satin Finish, Add	414.95	
For Third Rail, Add	110.39	
For 1" Square x 14 Gauge Pickets, Add	147.19	
For Color, Add	73.60	
32 31 19 00-0085 Replace Steel Tube Fence Pickets <small>(32 31 19 00-0032)</small>		
32 31 19 00-0086 LF Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket.....	19.84	
For 1" Square x 14 Gauge Pickets, Add	0.43	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0087		Remove And Reinstall Ornamental Fences <small>(32 31 19)</small>		
		Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0088	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	34.89	
32 31 19 00-0089	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height.....	38.38	
32 31 19 00-0090	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height.....	41.87	
32 31 19 00-0091	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height.....	45.36	
32 31 19 00-0092	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height.....	48.85	
32 31 19 00-0093	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height.....	52.33	
32 31 19 00-0094	LF	Removal And Reinstallation Of Ornamental Fence 12' Height.....	58.15	
32 31 26		Wire Fences And Gates <small>(32 31)</small>		
32 31 26 00-0001		Chicken Wire <small>(32 31 26)</small>		
		Note: Posts at 4'.		
32 31 26 00-0002	LF	1" Mesh, 4' High Chicken Wire Posts At 4'.....	6.19	1.41
32 31 26 00-0003	LF	2" Mesh, 6' High Chicken Wire Posts At 4'.....	6.85	1.41
32 31 26 00-0004		Wire And Screen <small>(32 31 26)</small>		
32 31 26 00-0005		Wire And Screen For Partitions And Fences <small>(32 31 26 00-0004)</small>		
		Note: Excludes framing and post.		
32 31 26 00-0006		Screen Wire <small>(32 31 26 00-0005)</small>		
32 31 26 00-0007	LF	Screen Wire, 48" Wide Rolls.....	8.73	0.80
32 31 26 00-0008		Hog Wire <small>(32 31 26 00-0005)</small>		
32 31 26 00-0009	SF	4" x 4" Hog Wire For Fencing.....	1.58	0.64
32 31 26 00-0010	SF	6" x 6" Hog Wire For Fencing.....	1.66	0.72
32 31 26 00-0011		Non-Climb Horse Fence <small>(32 31 26 00-0005)</small>		
32 31 26 00-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	7.00	2.55
32 31 26 00-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	8.93	3.19
32 31 26 00-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	11.11	3.83
32 31 26 00-0015		Screen For Partitions And Ceilings <small>(32 31 26 00-0004)</small>		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016	SF	1" Mesh Chicken Wire.....	1.38	
32 31 26 00-0017		Wicket Fence <small>(32 31 26)</small>		
32 31 26 00-0018	LF	Steel Wicket Fence, Painted.....	43.06	4.12
32 31 29		Wood Fences And Gates <small>(32 31)</small>		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		Basket Weave <small>(32 31 29)</small>		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	23.20	2.81
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.45	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	17.65	2.81
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.20	
32 31 29 00-0004		Board Fence <small>(32 31 29)</small>		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated.....	16.02	2.81
		<i>For 1" x 6" Boards, Deduct</i>	-2.07	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.69	
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.13	
32 31 29 00-0006	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated.....	17.50	2.81
		<i>For 1" x 6" Boards, Deduct</i>	-2.23	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.89	
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.22	
32 31 29 00-0007	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated.....	18.81	2.81
		<i>For 1" x 6" Boards, Deduct</i>	-2.34	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.02	
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.30	
32 31 29 00-0008	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated.....	19.83	2.81
		<i>For 1" x 6" Boards, Deduct</i>	-2.45	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.16	
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.37	
32 31 29 00-0009	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated.....	20.88	2.81
		<i>For 1" x 6" Boards, Deduct</i>	-2.55	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.28	
		<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.43	



Exterior Improvements		32
Site Improvements		32 30
Fences And Gates		32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0010 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar.....	16.53	2.81
For 1" x 6" Boards, Deduct	-2.09	
For 1" x 3" Boards (Stockade Top), Add	2.70	
For Screwing Of Boards Instead Of Nails, Add	1.15	
32 31 29 00-0011 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	17.89	2.81
For 1" x 6" Boards, Deduct	-2.25	
For 1" x 3" Boards (Stockade Top), Add	2.91	
For Screwing Of Boards Instead Of Nails, Add	1.24	
32 31 29 00-0012 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	18.81	2.81
For 1" x 6" Boards, Deduct	-2.34	
For 1" x 3" Boards (Stockade Top), Add	3.02	
For Screwing Of Boards Instead Of Nails, Add	1.30	
32 31 29 00-0013 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	19.83	2.81
For 1" x 6" Boards, Deduct	-2.45	
For 1" x 3" Boards (Stockade Top), Add	3.16	
For Screwing Of Boards Instead Of Nails, Add	1.37	
32 31 29 00-0014 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar.....	20.88	2.81
For 1" x 6" Boards, Deduct	-2.55	
For 1" x 3" Boards (Stockade Top), Add	3.28	
For Screwing Of Boards Instead Of Nails, Add	1.43	
32 31 29 00-0015 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar.....	16.54	2.81
For 1" x 6" Boards, Deduct	-2.09	
For 1" x 3" Boards (Stockade Top), Add	2.70	
For Screwing Of Boards Instead Of Nails, Add	1.15	
32 31 29 00-0016 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar.....	19.64	2.81
For 1" x 6" Boards, Deduct	-2.32	
For 1" x 3" Boards (Stockade Top), Add	2.96	
For Screwing Of Boards Instead Of Nails, Add	1.33	
32 31 29 00-0017 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar.....	20.49	2.81
For 1" x 6" Boards, Deduct	-2.41	
For 1" x 3" Boards (Stockade Top), Add	3.07	
For Screwing Of Boards Instead Of Nails, Add	1.39	
32 31 29 00-0018 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar.....	21.71	2.81
For 1" x 6" Boards, Deduct	-2.53	
For 1" x 3" Boards (Stockade Top), Add	3.21	
For Screwing Of Boards Instead Of Nails, Add	1.46	
32 31 29 00-0019 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar.....	22.98	2.81
For 1" x 6" Boards, Deduct	-2.64	
For 1" x 3" Boards (Stockade Top), Add	3.35	
For Screwing Of Boards Instead Of Nails, Add	1.54	
32 31 29 00-0020 Shadow Box <small>(32 31 29)</small>		
Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine.....	16.46	2.81
For Screwing Of Boards Instead Of Nails, Add	1.12	
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar.....	19.96	2.81
For Screwing Of Boards Instead Of Nails, Add	1.35	
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar.....	21.12	2.81
For Screwing Of Boards Instead Of Nails, Add	1.42	
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar.....	22.66	2.81
For Screwing Of Boards Instead Of Nails, Add	1.52	
32 31 29 00-0025 Open Rail Fence <small>(32 31 29)</small>		
32 31 29 00-0026 Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	14.17	2.81
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	13.03	2.81
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	15.73	2.81
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	13.96	2.81
32 31 29 00-0031 Split Rail Fence <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	13.88	2.81
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	13.02	2.81
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	15.17	2.81
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	14.13	2.81
32 31 29 00-0036 Picket Fence <small>(32 31 29)</small>		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated.....	15.28	2.81
For Screwing Of Boards Instead Of Nails, Add	1.10	
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar.....	15.02	2.81
For Screwing Of Boards Instead Of Nails, Add	1.09	
32 31 29 00-0039 Wood Gate <small>(32 31 29)</small>		
32 31 29 00-0040 Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0041 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	242.55	99.05
32 31 29 00-0042 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	262.44	104.99

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0043	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	290.24	114.89
32 31 29 00-0044	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	317.24	120.84
32 31 29 00-0045	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	344.25	126.78
32 31 29 00-0046	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	314.83	130.74
32 31 29 00-0047	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	335.60	136.68
32 31 29 00-0048	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	356.38	142.62
32 31 29 00-0049	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	386.05	148.57
32 31 29 00-0050	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	411.27	154.51
32 31 29 00-0051			Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0039)</small>		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	296.12	88.04
32 31 29 00-0053	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	309.35	93.33
32 31 29 00-0054	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	330.51	102.13
32 31 29 00-0055	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	348.18	107.41
32 31 29 00-0056	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	368.54	112.70
32 31 29 00-0057	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	365.79	116.22
32 31 29 00-0058	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	380.81	121.50
32 31 29 00-0059	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	400.26	126.78
32 31 29 00-0060	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	419.71	132.06
32 31 29 00-0061	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	439.17	137.35
32 31 29 00-0062			Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0039)</small>		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	309.45	88.04
32 31 29 00-0064	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	324.46	93.33
32 31 29 00-0065	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	346.52	102.13
32 31 29 00-0066	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	365.97	107.41
32 31 29 00-0067	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	385.43	112.70
32 31 29 00-0068	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	383.58	116.22
32 31 29 00-0069	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	398.59	121.50
32 31 29 00-0070	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	418.04	126.78
32 31 29 00-0071	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	437.49	132.06
32 31 29 00-0072	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	461.40	137.35
32 31 29 00-0073			Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
			See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0657 for barbed wire, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0074	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	23.70	9.90
32 31 29 00-0075	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	25.10	9.90
32 31 29 00-0076	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete	43.72	19.02
32 31 29 00-0077	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete	45.32	19.02
32 31 56 Wild Life Deterrent Fence <small>(32 31)</small>					
32 31 56 00-0001			Barbed Wire Fences <small>(32 31 56)</small>		
			Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002			Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003			Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004	EA		Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.92	6.21
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	104.02	
32 31 56 00-0005	EA		Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	85.25	6.21
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	137.97	
32 31 56 00-0006			Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007	EA		Barbed Wire Fence Post, Galvanized Grouted In Rock	63.56	6.21
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	101.98	
32 31 56 00-0008	EA		Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	83.89	6.21
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	135.93	
32 31 56 00-0009			Studded Steel T-Posts, Enamel Paint Finish <small>(32 31 56 00-0001)</small>		
			Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA		5' Studded Steel T-Post, Driven Into Earth	18.81	
32 31 56 00-0011	EA		5'-6" Studded Steel T-Post, Driven Into Earth	19.26	
32 31 56 00-0012	EA		6' Studded Steel T-Post, Driven Into Earth	20.01	
32 31 56 00-0013	EA		6'-6" Studded Steel T-Post, Driven Into Earth	20.76	
32 31 56 00-0014	EA		7' Studded Steel T-Post, Driven Into Earth	21.71	
32 31 56 00-0015	EA		8' Studded Steel T-Post, Driven Into Earth	24.22	
32 31 56 00-0016	EA		10' Studded Steel T-Post, Driven Into Earth	28.62	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0017 Barbed Wire <small>(32 31 56 00-0001)</small> Note: Per strand.		
32 31 56 00-0018 LF Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.67	0.31
32 31 56 00-0019 LF Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	0.75	0.31
 32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small> Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021 LF 4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	7.99	2.02
Note: Posts at 10' maximum.		
 32 32 Retaining Walls <small>(32 30)</small>		
32 32 13 Cast-In-Place Concrete Retaining Wall <small>(32 32)</small> Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001 LF 4' High With Base, 10" Thick Reinforced	278.91	102.26
For >3:1 Sloped Soil At Top, Add	6.33	
32 32 13 00-0002 LF 6' High With Base, 10" Thick Reinforced	347.87	125.84
For >3:1 Sloped Soil At Top, Add	8.17	
32 32 13 00-0003 LF 8' High With Base, 10" Thick Reinforced	378.90	135.73
For >3:1 Sloped Soil At Top, Add	9.13	
32 32 13 00-0004 LF 10' High With Base, 13" Thick Reinforced	482.53	167.82
For >3:1 Sloped Soil At Top, Add	12.49	
32 32 13 00-0005 LF 12' High With Base, 14" Thick Reinforced	556.10	192.77
For >3:1 Sloped Soil At Top, Add	14.49	
32 32 13 00-0006 LF 16' High With Base, 16" Thick Reinforced	804.57	282.80
For >3:1 Sloped Soil At Top, Add	20.32	
32 32 13 00-0007 LF 20' High With Base, 18" Thick Reinforced	1,104.57	390.42
For >3:1 Sloped Soil At Top, Add	27.51	
32 32 13 00-0008 LF 4' High With Base, 12" Thick Reinforced	306.48	111.67
For >3:1 Sloped Soil At Top, Add	7.07	
32 32 13 00-0009 LF 6' High With Base, 12" Thick Reinforced	375.08	134.56
For >3:1 Sloped Soil At Top, Add	9.01	
32 32 13 00-0010 LF 8' High With Base, 12" Thick Reinforced	397.12	140.40
For >3:1 Sloped Soil At Top, Add	9.89	
32 32 13 00-0011 LF 10' High With Base, 16" Thick Reinforced	546.17	188.16
For >3:1 Sloped Soil At Top, Add	14.43	
32 32 13 00-0012 LF 12' High With Base, 18" Thick Reinforced	692.60	241.70
For >3:1 Sloped Soil At Top, Add	17.78	
32 32 13 00-0013 LF 16' High With Base, 21" Thick Reinforced	1,038.64	366.36
For >3:1 Sloped Soil At Top, Add	26.01	
32 32 13 00-0014 LF 20' High With Base, 24" Thick Reinforced	1,465.84	517.14
For >3:1 Sloped Soil At Top, Add	36.68	
 32 32 16 Precast Concrete Retaining Walls <small>(32 32)</small>		
32 32 16 00-0001 Precast Retaining Walls <small>(32 32 16)</small> Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002 SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	38.33	9.63
32 32 16 00-0003 SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	37.97	7.74
32 32 16 00-0004 SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	38.36	6.45
32 32 16 00-0005 SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	41.14	6.45
32 32 16 00-0006 SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	42.71	5.50
 32 32 23 Segmental Retaining Walls <small>(32 32)</small>		
32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls <small>(32 32 23)</small>		
32 32 23 13-0001 Modular Retaining Wall Systems <small>(32 32 23 13)</small> Note: Includes installation, material and manufacture's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
 32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0003 SF Up To 4' Height "Amastone" Type Modular Retaining Wall System	55.18	6.66
For >3:1 Sloped Soil At Top, Add	3.56	
32 32 23 13-0004 SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	58.21	7.00
For >3:1 Sloped Soil At Top, Add	3.76	
32 32 23 13-0005 SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System	60.61	7.71
For >3:1 Sloped Soil At Top, Add	3.84	
32 32 23 13-0006 SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System	63.16	8.41
For >3:1 Sloped Soil At Top, Add	3.94	
 32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0008 SF Up To 4' Height "Diamond" Type Modular Retaining Wall System	57.36	6.66
For >3:1 Sloped Soil At Top, Add	3.74	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System	60.40	7.00
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.94	
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System	62.80	7.71
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.03	
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System	65.35	8.41
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.13	
32 32 23 13-0012			"Keystone" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System	62.59	6.66
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.19	
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System	65.63	7.00
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.39	
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System	68.03	7.71
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.47	
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System	70.58	8.41
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.57	
32 32 23 13-0017			"Criblock" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System	55.18	6.66
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.56	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System	58.21	7.00
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.76	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System	60.61	7.71
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.84	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System	63.16	8.41
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.94	
			<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0022			"Versa-Lok" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	48.54	6.66
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.99	
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	53.76	7.00
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.38	
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	56.20	7.71
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.47	
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	58.34	8.41
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.53	
32 32 23 13-0027			Retaining Wall Cap Block Restoration <small>(32 32 23 13-0001)</small>		
			Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins	21.30	
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.01	
32 32 26			Metal Crib Retaining Walls <small>(32 32)</small>		
32 32 26 00-0001			Aluminized Steel Bin <small>(32 32 26)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF		4' High, 5.5' Deep Aluminized Steel Bin	26.14	3.76
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.58	
			<i>For Galvanized Type, Deduct</i>	-1.86	
32 32 26 00-0003	SF		8' High, 5.5' Deep Aluminized Steel Bin	29.05	3.76
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.82	
			<i>For Galvanized Type, Deduct</i>	-2.15	
32 32 26 00-0004	SF		10' High, 7.7' Deep Aluminized Steel Bin	31.04	4.12
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.94	
			<i>For Galvanized Type, Deduct</i>	-2.29	
32 32 26 00-0005	SF		12' High, 7.7' Deep Aluminized Steel Bin	35.34	4.65
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.22	
			<i>For Galvanized Type, Deduct</i>	-2.61	
32 32 26 00-0006	SF		16' High, 7.7' Deep Aluminized Steel Bin	34.21	4.81
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.10	
			<i>For Galvanized Type, Deduct</i>	-2.47	
32 32 26 00-0007	SF		16' High, 9.9' Deep Aluminized Steel Bin	37.88	4.90
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.39	
			<i>For Galvanized Type, Deduct</i>	-2.82	
32 32 26 00-0008	SF		20' High, 9.9' Deep Aluminized Steel Bin	41.91	5.17
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.68	
			<i>For Galvanized Type, Deduct</i>	-3.15	
32 32 26 00-0009	SF		20' High, 12.1' Deep Aluminized Steel Bin	42.95	5.43
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.73	
			<i>For Galvanized Type, Deduct</i>	-3.22	
32 32 26 00-0010	SF		24' High, 12.1' Deep Aluminized Steel Bin	45.05	5.43
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.91	
			<i>For Galvanized Type, Deduct</i>	-3.42	



Exterior Improvements			32
Site Improvements			32 30
Retaining Walls			32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0011 SF 24' High, 14.3' Deep Aluminized Steel Bin.....	47.15	5.52
For >3:1 Sloped Soil At Top, Add	3.08	
For Galvanized Type, Deduct	-3.62	
32 32 26 00-0012 SF 28' High, 14.3' Deep Aluminized Steel Bin.....	48.67	5.61
For >3:1 Sloped Soil At Top, Add	3.19	
For Galvanized Type, Deduct	-3.75	

32 32 29 Timber Retaining Walls (32 32)

32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)

Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002 LF 4" x 4", 1' High, Redwood	53.12	21.11
For >3:1 Sloped Soil At Top, Add	0.93	
32 32 29 00-0003 LF 4" x 4", 2' High, Redwood	104.02	41.34
For >3:1 Sloped Soil At Top, Add	1.82	
32 32 29 00-0004 LF 4" x 4", 1' High, Cedar.....	51.72	21.11
For >3:1 Sloped Soil At Top, Add	0.81	
32 32 29 00-0005 LF 4" x 4", 2' High, Cedar.....	101.30	41.34
For >3:1 Sloped Soil At Top, Add	1.59	
32 32 29 00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber.....	47.45	18.44
For >3:1 Sloped Soil At Top, Add	0.89	
32 32 29 00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber.....	92.82	36.07
For >3:1 Sloped Soil At Top, Add	1.75	
32 32 29 00-0008 LF 4" x 4", 1' High, Creosoted Lumber.....	42.02	16.37
For >3:1 Sloped Soil At Top, Add	0.79	
32 32 29 00-0009 LF 4" x 4", 2' High, Creosoted Lumber.....	75.99	29.63
For >3:1 Sloped Soil At Top, Add	1.42	
32 32 29 00-0010 LF 6 x 6, 2' High, Redwood.....	135.94	50.07
For >3:1 Sloped Soil At Top, Add	3.04	
32 32 29 00-0011 LF 6 x 6, 4' High, Redwood.....	267.82	98.15
For >3:1 Sloped Soil At Top, Add	6.09	
32 32 29 00-0012 LF 6 x 6, 2' High, Cedar.....	134.38	50.07
For >3:1 Sloped Soil At Top, Add	2.91	
32 32 29 00-0013 LF 6 x 6, 4' High, Cedar.....	263.93	98.15
For >3:1 Sloped Soil At Top, Add	5.75	
32 32 29 00-0014 LF 6 x 6, 2' High, Pressure Treated Lumber.....	114.83	40.67
For >3:1 Sloped Soil At Top, Add	2.84	
32 32 29 00-0015 LF 6 x 6, 4' High, Pressure Treated Lumber.....	227.57	80.31
For >3:1 Sloped Soil At Top, Add	5.69	
32 32 29 00-0016 LF 6 x 6, 2' High, Creosoted Lumber.....	91.95	32.52
For >3:1 Sloped Soil At Top, Add	2.28	
32 32 29 00-0017 LF 6 x 6, 4' High, Creosoted Lumber.....	180.57	63.64
For >3:1 Sloped Soil At Top, Add	4.53	
32 32 29 00-0018 LF 8 x 8, 4' High, Redwood.....	323.71	108.53
For >3:1 Sloped Soil At Top, Add	9.06	
32 32 29 00-0019 LF 8 x 8, 6' High, Redwood.....	605.15	202.61
For >3:1 Sloped Soil At Top, Add	17.00	
32 32 29 00-0020 LF 8 x 8, 4' High, Cedar.....	315.93	108.53
For >3:1 Sloped Soil At Top, Add	8.40	
32 32 29 00-0021 LF 8 x 8, 6' High, Cedar.....	590.37	202.61
For >3:1 Sloped Soil At Top, Add	15.74	
32 32 29 00-0022 LF 8 x 8, 4' High, Pressure Treated Lumber.....	329.78	125.20
For >3:1 Sloped Soil At Top, Add	6.75	
32 32 29 00-0023 LF 8 x 8, 6' High, Pressure Treated Lumber.....	615.47	233.80
For >3:1 Sloped Soil At Top, Add	12.57	
32 32 29 00-0024 LF 8 x 8, 4' High, Creosoted Lumber.....	266.57	101.19
For >3:1 Sloped Soil At Top, Add	5.46	
32 32 29 00-0025 LF 8 x 8, 6' High, Creosoted Lumber.....	494.43	187.72
For >3:1 Sloped Soil At Top, Add	10.12	
32 32 29 00-0026 LF Random Diameter Poles, Cedar 4' High.....	102.92	41.70
For >3:1 Sloped Soil At Top, Add	1.65	
32 32 29 00-0027 LF Random Diameter Poles, Cedar 6' High.....	154.00	62.59
For >3:1 Sloped Soil At Top, Add	2.45	
32 32 29 00-0028 LF Random Diameter Poles, Cedar 8' High.....	205.01	83.41
For >3:1 Sloped Soil At Top, Add	3.24	
32 32 29 00-0029 LF Random Diameter Poles, 4' High Creosoted Lumber.....	66.23	23.55
For >3:1 Sloped Soil At Top, Add	1.62	
32 32 29 00-0030 LF Random Diameter Poles, 6' High Creosoted Lumber.....	96.04	34.00
For >3:1 Sloped Soil At Top, Add	2.38	
32 32 29 00-0031 LF Random Diameter Poles, 8' High.....	129.94	45.93
For >3:1 Sloped Soil At Top, Add	3.24	

32 32 29 00-0032 Post And Board Retaining Walls (32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033 LF 4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking.....	39.16	12.52
For >3:1 Sloped Soil At Top, Add	1.20	
32 32 29 00-0034 LF 4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood.....	61.85	21.41
For >3:1 Sloped Soil At Top, Add	1.62	
32 32 29 00-0035 LF 6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood.....	80.07	26.59
For >3:1 Sloped Soil At Top, Add	2.28	

32 Exterior Improvements

32 30 Site Improvements

32 32 Retaining Walls



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0036	LF		6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood	112.30	37.70
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.14	
32 32 29 00-0037	LF		6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood	146.71	49.04
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.13	
32 32 29 00-0038	LF		8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood	298.36	97.05
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.86	
32 32 29 00-0039	LF		8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood	335.55	107.48
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.25	
32 32 29 00-0040	LF		4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar	40.01	13.04
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.18	
32 32 29 00-0041	LF		4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar	70.45	23.19
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.05	
32 32 29 00-0042	LF		6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar	69.23	22.74
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.02	
32 32 29 00-0043	LF		6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar	97.61	32.67
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.74	
32 32 29 00-0044	LF		6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar	152.98	52.15
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.13	
32 32 29 00-0045	LF		6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	120.21	40.07
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.41	
32 32 29 00-0046	LF		8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	308.46	100.16
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.19	
32 32 29 00-0047	LF		4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	56.18	24.08
			<i>For >3:1 Sloped Soil At Top, Add</i>	0.68	
32 32 29 00-0048	LF		4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	80.79	34.22
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.05	
32 32 29 00-0049	LF		4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	115.29	46.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.82	
32 32 29 00-0050	LF		6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	200.19	79.26
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.54	
32 32 29 00-0051	LF		6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	202.14	79.26
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.70	
32 32 29 00-0052	LF		6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	191.25	76.16
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.31	
32 32 29 00-0053	LF		8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	446.84	175.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.20	
32 32 29 00-0054	LF		4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	56.18	24.08
			<i>For >3:1 Sloped Soil At Top, Add</i>	0.68	
32 32 29 00-0055	LF		4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	80.79	34.22
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.05	
32 32 29 00-0056	LF		4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	115.29	46.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.82	
32 32 29 00-0057	LF		6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	144.48	58.44
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.35	
32 32 29 00-0058	LF		6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	200.19	79.26
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.54	
32 32 29 00-0059	LF		6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	191.25	76.16
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.31	
32 32 29 00-0060	LF		8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	446.84	175.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.20	
32 32 29 00-0061			Wood Tie Retaining Walls, Rod Connector At 4' <small>(32 32 29)</small> Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062			Redwood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063	LF		2' High, 6" x 6" Wood Tie Wall	70.01	25.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.59	
32 32 29 00-0064	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6'	159.65	58.44
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.64	
32 32 29 00-0065	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6'	239.12	87.64
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.42	
32 32 29 00-0066	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6'	224.14	75.11
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.28	
32 32 29 00-0067	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'	336.69	112.68
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.46	
32 32 29 00-0068	LF		8' High, 8" x 8" Wood Tie Wall Deadman At 6'	444.14	148.15
			<i>For >3:1 Sloped Soil At Top, Add</i>	12.57	
32 32 29 00-0069			Cedar <small>(32 32 29 00-0061)</small>		
32 32 29 00-0070	LF		2' High, 6" x 6" Wood Tie Wall	69.23	25.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.52	
32 32 29 00-0071	LF		4' High, 6" x 6" Wood Tie Wall Deadman At 6'	157.32	58.44
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.44	
32 32 29 00-0072	LF		6' High, 6" x 6" Wood Tie Wall Deadman At 6'	236.01	87.64
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.16	
32 32 29 00-0073	LF		4' High, 8" x 8" Wood Tie Wall Deadman At 6'	218.69	75.11
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.82	
32 32 29 00-0074	LF		6' High, 8" x 8" Wood Tie Wall Deadman At 6'	328.91	112.68
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.80	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	433.24 11.64	148.15
32 32 29 00-0076 Creosoted Wood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall <i>For >3:1 Sloped Soil At Top, Add</i>	81.30 1.13	34.00
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	186.47 2.55	78.23
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	276.34 3.80	115.78
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	374.96 5.09	157.50
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	546.00 7.41	229.42
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	724.33 9.86	304.17
32 32 29 00-0083 Pressure Treated Wood <small>(32 32 29 00-0061)</small>		
32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall <i>For >3:1 Sloped Soil At Top, Add</i>	59.91 1.49	21.19
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	136.06 3.41	48.01
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	203.89 5.09	72.01
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	227.99 4.66	86.60
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	342.04 7.08	129.42
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6' <i>For >3:1 Sloped Soil At Top, Add</i>	453.85 9.33	172.08
32 32 53 Stone Retaining Walls <small>(32 32)</small>		
32 32 53 00-0001 Stone Retaining Walls <small>(32 32 53)</small>		
Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$16.00/ton.		
32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	341.01 2.16	157.76
32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	403.22 2.36	187.69
32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	531.24 2.77	249.36
32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	821.82 3.57	389.89
32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,069.76 4.22	510.02
32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,328.83 4.98	635.11
32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	304.79 2.16	139.68
32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	358.36 2.36	165.26
32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	465.03 2.77	216.21
32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	715.24 3.57	336.63
32 32 53 00-0013 LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	920.26 4.22	435.30
32 32 53 00-0014 LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,144.43 4.98	542.96
32 32 53 00-0015 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$32.00/ton.		
32 32 53 00-0016 LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	348.70 2.82	157.76
32 32 53 00-0017 LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	413.86 3.27	187.69
32 32 53 00-0018 LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	546.62 4.07	249.36
32 32 53 00-0019 LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	844.30 5.48	389.89
32 32 53 00-0020 LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,100.52 6.84	510.02
32 32 53 00-0021 LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,367.87 8.30	635.11

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0022 LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	312.48	139.68
For >3:1 Sloped Soil At Top, Add	2.82	
32 32 53 00-0023 LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	369.00	165.26
For >3:1 Sloped Soil At Top, Add	3.27	
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	480.41	216.21
For >3:1 Sloped Soil At Top, Add	4.07	
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	737.72	336.63
For >3:1 Sloped Soil At Top, Add	5.48	
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	951.02	435.30
For >3:1 Sloped Soil At Top, Add	6.84	
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,183.47	542.96
For >3:1 Sloped Soil At Top, Add	8.30	
32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$48.00/ton.		
32 32 53 00-0029 LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	356.98	157.76
For >3:1 Sloped Soil At Top, Add	3.52	
32 32 53 00-0030 LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	424.39	187.69
For >3:1 Sloped Soil At Top, Add	4.16	
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	561.40	249.36
For >3:1 Sloped Soil At Top, Add	5.33	
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	866.77	389.89
For >3:1 Sloped Soil At Top, Add	7.39	
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,131.27	510.02
For >3:1 Sloped Soil At Top, Add	9.45	
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,407.50	635.11
For >3:1 Sloped Soil At Top, Add	11.66	
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	320.76	139.68
For >3:1 Sloped Soil At Top, Add	3.52	
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	379.65	165.26
For >3:1 Sloped Soil At Top, Add	4.17	
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	495.19	216.21
For >3:1 Sloped Soil At Top, Add	5.33	
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	760.19	336.63
For >3:1 Sloped Soil At Top, Add	7.39	
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	981.77	435.30
For >3:1 Sloped Soil At Top, Add	9.45	
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,223.10	542.96
For >3:1 Sloped Soil At Top, Add	11.66	
32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	365.26	157.76
For >3:1 Sloped Soil At Top, Add	4.22	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	423.33	187.69
For >3:1 Sloped Soil At Top, Add	4.07	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	577.37	249.36
For >3:1 Sloped Soil At Top, Add	6.69	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	890.43	389.89
For >3:1 Sloped Soil At Top, Add	9.40	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,163.21	510.02
For >3:1 Sloped Soil At Top, Add	12.17	
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,447.72	635.11
For >3:1 Sloped Soil At Top, Add	15.08	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	329.04	139.68
For >3:1 Sloped Soil At Top, Add	4.22	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	390.30	165.26
For >3:1 Sloped Soil At Top, Add	5.08	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	511.16	216.21
For >3:1 Sloped Soil At Top, Add	6.69	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	783.85	336.63
For >3:1 Sloped Soil At Top, Add	9.40	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,013.71	435.30
For >3:1 Sloped Soil At Top, Add	12.17	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,263.32	542.96
For >3:1 Sloped Soil At Top, Add	15.08	
32 35 Screening Devices (32 30)		
32 35 16 Sound Barriers (32 35)		
32 35 16 00-0001 Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns (32 35 16)		
Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)		
32 35 16 00-0002 4" Thick (32 35 16 00-0001)		
32 35 16 00-0003 LF 6' High x 4" Thick Precast Concrete Sound Walls.....	101.17	18.84
32 35 16 00-0004 LF 7' High x 4" Thick Precast Concrete Sound Walls.....	109.75	21.03
32 35 16 00-0005 LF 8' High x 4" Thick Precast Concrete Sound Walls.....	119.48	22.78
32 35 16 00-0006 LF 9' High x 4" Thick Precast Concrete Sound Walls.....	127.71	24.53



		Exterior Improvements	32
		Site Improvements	32 30
		Screening Devices	32 35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0007	LF		10' High x 4" Thick Precast Concrete Sound Walls.....	135.07	26.28
32 35 16 00-0008	LF		11' High x 4" Thick Precast Concrete Sound Walls.....	144.94	27.16
32 35 16 00-0009	LF		12' High x 4" Thick Precast Concrete Sound Walls.....	154.45	28.47
32 35 16 00-0010			6" Thick (32 35 16 00-0001)		
32 35 16 00-0011	LF		6' High x 6" Thick Precast Concrete Sound Walls.....	120.50	21.90
32 35 16 00-0012	LF		7' High x 6" Thick Precast Concrete Sound Walls.....	130.72	24.53
32 35 16 00-0013	LF		8' High x 6" Thick Precast Concrete Sound Walls.....	142.31	27.16
32 35 16 00-0014	LF		9' High x 6" Thick Precast Concrete Sound Walls.....	152.09	28.92
32 35 16 00-0015	LF		10' High x 6" Thick Precast Concrete Sound Walls.....	160.85	30.67
32 35 16 00-0016	LF		11' High x 6" Thick Precast Concrete Sound Walls.....	172.64	31.98
32 35 16 00-0017	LF		12' High x 6" Thick Precast Concrete Sound Walls.....	184.00	33.29
32 35 16 00-0018			8" Thick (32 35 16 00-0001)		
32 35 16 00-0019	LF		6' High x 8" Thick Precast Concrete Sound Walls.....	145.06	26.28
32 35 16 00-0020	LF		7' High x 8" Thick Precast Concrete Sound Walls.....	157.33	28.92
32 35 16 00-0021	LF		8' High x 8" Thick Precast Concrete Sound Walls.....	171.26	31.54
32 35 16 00-0022	LF		9' High x 8" Thick Precast Concrete Sound Walls.....	183.01	34.17
32 35 16 00-0023	LF		10' High x 8" Thick Precast Concrete Sound Walls.....	193.56	36.35
32 35 16 00-0024	LF		11' High x 8" Thick Precast Concrete Sound Walls.....	207.82	37.67
32 35 16 00-0025	LF		12' High x 8" Thick Precast Concrete Sound Walls.....	221.59	39.43
32 35 16 00-0026			Redwood Top (32 35 16 00-0001)		
32 35 16 00-0027	LF		2" x 6" Redwood, Construction Grade/Rough.....	3.24	0.80
32 35 16 00-0028	LF		2" x 8" Redwood, Construction Grade/Rough.....	3.78	1.04
32 35 16 00-0029	LF		2" x 10" Redwood, Construction Grade/Rough.....	5.74	1.28
32 35 16 00-0030	LF		2" x 12" Redwood, Construction Grade/Rough.....	6.93	1.59
32 35 16 00-0031	LF		2" x 6" Redwood, Con Heart/Smooth.....	3.93	0.80
32 35 16 00-0032	LF		2" x 8" Redwood, Con Heart/Smooth.....	5.67	1.04
32 35 16 00-0033	LF		2" x 10" Redwood, Con Heart/Smooth.....	7.51	1.28
32 35 16 00-0034	LF		2" x 12" Redwood, Con Heart/Smooth.....	9.02	1.59
32 35 16 00-0035			Precast Concrete Barrier Rails And Posts (32 35 16) Note: Posts are 5' on center. Excludes drilling holes and foundations. See CSI section 32 31 13 13-0001 for drilling holes and foundations.		
32 35 16 00-0036	LF		6' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	54.36	11.13
32 35 16 00-0037	LF		7' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	61.72	11.69
32 35 16 00-0038	LF		8' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	69.16	12.25
32 35 16 00-0039	LF		9' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	77.39	13.53
32 35 16 00-0040	LF		10' High Concrete Fence And Posts..... Note: Wood texture rails with posts 5' on centers.	84.96	14.09
32 39			Manufactured Site Specialties (32 39)		
32 39 13			Manufactured Metal Bollards (32 39)		
32 39 13 00-0001			Metal Pipe Bollards (32 39 13) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated..... <i>For Galvanized Steel, Add</i> 2.75 <i>For 304 Stainless Steel, Add</i> 21.87 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 100.28 <i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 74.66 <i>For Schedule 80, Add</i> 4.34	35.27	9.53
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated..... <i>For Galvanized Steel, Add</i> 4.34 <i>For 304 Stainless Steel, Add</i> 34.49 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 100.28 <i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 74.66 <i>For Schedule 80, Add</i> 5.74	44.62	9.53
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated..... <i>For Galvanized Steel, Add</i> 6.44 <i>For 304 Stainless Steel, Add</i> 51.15 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 133.32 <i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 114.07 <i>For Schedule 80, Add</i> 8.07	61.72	11.92

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	80.44	14.30
			<i>For Galvanized Steel, Add</i>	8.81	
			<i>For 304 Stainless Steel, Add</i>	69.98	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	152.40	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	123.26	
			<i>For Schedule 80, Add</i>	10.64	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	102.46	19.07
			<i>For Galvanized Steel, Add</i>	10.94	
			<i>For 304 Stainless Steel, Add</i>	86.86	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	205.52	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	170.33	
			<i>For Schedule 80, Add</i>	13.46	
32 39 13 00-0008			Cast Bollards <small>(32 39 13 00-0001)</small>		
32 39 13 00-0009	EA		36" Cast Aluminum Bollard, Black Powder Coat Finish	980.12	57.19
			Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0010	EA		36" Cast Aluminum Removable Bollard, Black Powder Coat Finish	1,631.18	57.19
			Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 13 00-0011	EA		36" Cast Iron Bollard, Powder Coat Finish.....	836.18	57.19
			Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0012	EA		36" Cast Iron Removable Bollard, Black Powder Coat Finish	1,491.09	57.19
			Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 16			Manufactured Concrete Bollards <small>(32 39)</small>		
32 39 16 00-0001			Concrete Bollards <small>(32 39 16)</small>		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 16 00-0002			Concrete Bollard, Exposed Aggregate <small>(32 39 16 00-0001)</small>		
32 39 16 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast	464.13	76.26
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 16 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	464.13	76.26
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 19			Manufactured Wood Bollards <small>(32 39)</small>		
32 39 19 00-0001			Wood Bollards <small>(32 39 19)</small>		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 19 00-0002			Wood Bollard, Pressure Treated Timber <small>(32 39 19 00-0001)</small>		
32 39 19 00-0003	LF		4" x 4", Pressure Treated Wood Bollard.....	17.98	7.63
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	76.40	
32 39 19 00-0004	LF		6" x 6", Pressure Treated Wood Bollard.....	20.85	7.63
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	76.40	
32 39 19 00-0005	LF		8" x 8", Pressure Treated Wood Bollard.....	27.13	8.58
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	118.26	
32 39 19 00-0006	LF		10" x 10", Pressure Treated Wood Bollard.....	38.42	11.44
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	129.28	
32 39 19 00-0007	LF		12" x 12", Pressure Treated Wood Bollard.....	52.87	15.25
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	182.09	
32 39 23			Manufactured Plastic Bollards <small>(32 39)</small>		
32 39 23 00-0001			Plastic Bollards <small>(32 39 23)</small>		
			See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002			Recycled Plastic Bollards <small>(32 39 23 00-0001)</small>		
32 39 23 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard	199.65	38.12
			Note: Includes anchor bolts.		
32 39 23 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	309.49	38.12
32 39 23 00-0005			Plastic Bollard Covers <small>(32 39 23 00-0001)</small>		
32 39 23 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	50.63	8.99
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	54.96	9.90
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	66.96	8.99
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0009	EA		3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	66.96	8.99
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0010	EA		3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	74.58	8.99
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0011	EA		4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	66.96	8.99
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	68.05	8.99
			<i>For Reflective Tape, Add</i>	5.18	
32 39 23 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	66.96	8.99
			<i>For Reflective Tape, Add</i>	5.18	



Exterior Improvements	32	32
Site Improvements	32 30	
Manufactured Site Specialties	32 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	68.05 5.18	8.99
32 39 23 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... <i>For Reflective Tape, Add</i>	93.08 5.18	8.99
32 39 23 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	68.76 5.18	9.90
32 39 23 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	86.17 5.18	9.90
32 39 23 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	97.41 5.18	9.90
32 39 23 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... <i>For Reflective Tape, Add</i>	83.61 5.18	10.79
32 39 23 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... <i>For Reflective Tape, Add</i>	90.14 5.18	10.79
32 39 23 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... <i>For Reflective Tape, Add</i>	90.14 5.18	10.79
32 39 23 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	119.54 5.18	10.79

32 39 26 Manufactured Stone Bollards (32 39)

32 39 26 00-0001	Stone Bollards (32 39 26) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 26 00-0002	Granite Bollards (32 39 26 00-0001)		
32 39 26 00-0003	EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	950.56	95.31
32 39 26 00-0004	EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,206.44	133.45
32 39 26 00-0005	EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top..... Note: Surface mounted with anchors embedded into grout pockets.	596.85	95.31
32 39 26 00-0006	EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	870.97	76.26
32 39 26 00-0007	EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,292.39	76.26

32 80 Irrigation (32)

32 84 Planting Irrigation (32 80)

32 84 13 Drip Irrigation (32 84)

32 84 13 00-0001	Drip Emitter Irrigation Devices (32 84 13)		
32 84 13 00-0002	Drip Emitter Irrigation Valves (32 84 13 00-0001)		
32 84 13 00-0003	EA 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050).....	32.83	8.45
32 84 13 00-0004	EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100).....	46.83	8.45
32 84 13 00-0005	EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075).....	45.86	8.45
32 84 13 00-0006	EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS).....	59.02	8.45
32 84 13 00-0007	Drip Emitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0008	EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	86.82	8.45
32 84 13 00-0009	EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100).....	87.54	8.45
32 84 13 00-0010	EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX).....	38.95	8.45
32 84 13 00-0011	EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX).....	39.53	8.45
32 84 13 00-0012	EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	93.56	8.45
32 84 13 00-0013	EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY).....	47.66	8.45
32 84 13 00-0014	EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY).....	52.19	8.45
32 84 13 00-0015	Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0016	EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	38.36	8.45
32 84 13 00-0017	EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	38.36	8.45
32 84 13 00-0018	EA 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	38.36	8.45
32 84 13 00-0019	EA 1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	43.13	8.45
32 84 13 00-0020	Drip Emitter Irrigation Tubing (32 84 13 00-0001) Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	2.95	1.19
32 84 13 00-0022	LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	2.87	1.35

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....2.49 <i>For Shallow Trenching And Backfill By Hand, Add</i>	4.86	1.19
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100) .....2.87 <i>For Shallow Trenching And Backfill By Hand, Add</i>	5.26	1.35
32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)					
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....2.20		
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL) .....2.21		
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE) .....2.24		
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....2.33		
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX) .....2.18		
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP) .....2.28 <i>For Compression Fitting, Add</i>	0.17	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....2.33 <i>For Compression Fitting, Add</i>	0.22	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE) .....2.36 <i>For Compression Fitting, Add</i>	0.25	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050) .....2.37 <i>For Compression Fitting, Add</i>	0.26	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS) .....2.47 <i>For Compression Fitting, Add</i>	0.36	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP) .....2.59		
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND) .....1.29		
32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)					
32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....4.50		
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....4.96		
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....9.61		
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)					
32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK) .....17.62		7.61
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK) .....17.64		7.61
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL) .....18.92		7.61
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....19.06		7.61
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) .....26.94 <i>Note: Includes nozzle.</i>		9.97
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) .....28.59 <i>Note: Includes nozzle.</i>		9.97
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....27.34 <i>Note: Includes nozzle.</i>		9.97
32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)					
			<i>Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.</i>		
32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....3.27		1.48
32 84 23 Underground Sprinklers (32 84)					
32 84 23 00-0001 Sprinkler Heads (32 84 23)					
32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)					
			<i>Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.</i>		
32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P) .....24.03 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P) .....23.10 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P) .....26.56 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P) .....29.47 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM) .....24.40 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM) .....29.28 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....31.63 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS) .....25.79 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS) .....30.24 <i>For Rotary Nozzle, Add</i>	3.25	9.33
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS) .....32.43 <i>For Rotary Nozzle, Add</i>	3.25	9.33



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0013 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	26.35	9.33
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	33.17	9.33
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	35.34	9.33
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016 EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	21.28	9.33
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017 EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	23.44	9.33
 32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0001)</small>		
<i>Note: Maximum spacing is equivalent to maximum radius.</i>		
 32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
<i>Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.</i>		
32 84 23 00-0020 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	30.89	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	31.66	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
 32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
<i>Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.</i>		
32 84 23 00-0023 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	29.03	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	37.37	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	30.58	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	38.61	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	31.20	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	32.43	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	40.46	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	45.40	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	32.28	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	37.22	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
 32 84 23 00-0033 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
<i>Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.</i>		
32 84 23 00-0034 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	48.96	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	22.74	
 32 84 23 00-0035 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
<i>Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.</i>		
32 84 23 00-0036 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	66.87	9.33
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
 32 84 23 00-0037 Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small>		
<i>Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.</i>		
32 84 23 00-0038 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	40.31	9.33
<i>For Non-Potable Cover, Add</i>	2.00	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0039 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	32.90	9.33
32 84 23 00-0040 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	57.59	9.33
32 84 23 00-0041 Electric Remote Control Irrigation Valves (32 84 23)		
32 84 23 00-0042 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0041)		
Note: 15 to 150 PSI.		
32 84 23 00-0043 EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	101.28	38.90
32 84 23 00-0044 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	101.28	38.90
32 84 23 00-0045 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	112.40	44.35
32 84 23 00-0046 EA 1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	101.89	38.90
32 84 23 00-0047 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041)		
Note: 15 to 150 PSI.		
32 84 23 00-0048 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	101.89	38.90
32 84 23 00-0049 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	113.32	44.35
32 84 23 00-0050 EA 1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	113.94	44.35
32 84 23 00-0051 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041)		
Note: 20 to 200 PSI.		
32 84 23 00-0052 EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	151.31	38.90
32 84 23 00-0053 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	172.94	38.90
32 84 23 00-0054 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB).....	200.74	38.90
32 84 23 00-0055 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041)		
Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	208.46	43.72
32 84 23 00-0057 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	230.08	43.72
32 84 23 00-0058 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	257.88	43.72
32 84 23 00-0059 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041)		
Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	239.34	43.72
32 84 23 00-0061 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	260.97	43.72
32 84 23 00-0062 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	288.77	43.72
32 84 23 00-0063 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041)		
Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	212.81	38.90
32 84 23 00-0065 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	312.21	38.90
32 84 23 00-0066 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	321.20	38.90
32 84 23 00-0067 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	728.85	52.51
32 84 23 00-0068 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041)		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	201.75	43.72
32 84 23 00-0070 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	231.31	43.72
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	263.41	43.72
32 84 23 00-0072 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	305.66	43.72
32 84 23 00-0073 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041)		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	257.32	43.72
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	375.25	43.72
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	385.36	43.72
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	770.62	43.72
32 84 23 00-0078 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	257.74	38.90
32 84 23 00-0080 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	357.14	38.90
32 84 23 00-0081 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	366.13	38.90
32 84 23 00-0082 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	773.78	52.51
32 84 23 00-0083 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	248.09	43.72
32 84 23 00-0085 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	277.65	43.72
32 84 23 00-0086 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	309.74	43.72
32 84 23 00-0087 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	351.99	43.72
32 84 23 00-0088 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	302.24	43.72
32 84 23 00-0090 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	420.18	43.72
32 84 23 00-0091 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	430.29	43.72
32 84 23 00-0092 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	815.55	43.72
32 84 23 00-0093 Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)		
32 84 23 00-0094 EA Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	77.45	
32 84 23 00-0095 Irrigation Valve Boxes (32 84 23) Note: Includes lid.		
32 84 23 00-0096 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	64.66	28.00
32 84 23 00-0097 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	71.95	28.00
32 84 23 00-0098 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	94.47	36.88
32 84 23 00-0099 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	156.97	53.84
32 84 23 00-0100 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	159.55	53.84
32 84 23 00-0101 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	178.08	53.84
32 84 23 00-0102 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	180.29	53.84
32 84 23 00-0103 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	286.16	53.84
32 84 23 00-0104 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	423.28	53.84
32 84 23 00-0105 Irrigation Controllers (32 84 23) See CSI section 27 14 13 16-0074 for low voltage wiring.		
32 84 23 00-0106 Irrigation Controllers (32 84 23 00-0105)		
32 84 23 00-0107 Irrigation Controllers (Rain Bird®) (32 84 23 00-0106)		
32 84 23 00-0108 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0107)		
32 84 23 00-0109 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0108)		

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0110	Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0109)</small>		
32 84 23 00-0111	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	203.74 28.04
32 84 23 00-0112	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	285.99 28.04
32 84 23 00-0113	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	368.23 28.04
32 84 23 00-0114	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	450.48 28.04
32 84 23 00-0115	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	504.69 28.04
32 84 23 00-0116	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	590.43 28.04
32 84 23 00-0117	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	676.19 28.04
32 84 23 00-0118	Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0109)</small>		
32 84 23 00-0119	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	226.59 28.04
32 84 23 00-0120	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	308.84 28.04
32 84 23 00-0121	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	391.08 28.04
32 84 23 00-0122	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	473.33 28.04
32 84 23 00-0123	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	527.54 28.04
32 84 23 00-0124	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	613.28 28.04
32 84 23 00-0125	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	699.04 28.04
32 84 23 00-0126	Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0108)</small>		
32 84 23 00-0127	Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) <small>(32 84 23 00-0126)</small>		
32 84 23 00-0128	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	283.11 28.04
32 84 23 00-0129	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	365.37 28.04
32 84 23 00-0130	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	447.61 28.04
32 84 23 00-0131	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	529.85 28.04
32 84 23 00-0132	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	584.06 28.04
32 84 23 00-0133	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	669.80 28.04
32 84 23 00-0134	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	755.56 28.04
32 84 23 00-0135	Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0126)</small>		
32 84 23 00-0136	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	300.24 28.04
32 84 23 00-0137	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	382.49 28.04
32 84 23 00-0138	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	464.73 28.04
32 84 23 00-0139	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	546.97 28.04
32 84 23 00-0140	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	601.18 28.04
32 84 23 00-0141	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	686.92 28.04
32 84 23 00-0142	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	772.68 28.04
32 84 23 00-0143	Accessories For ESP-ME/MEI Irrigation Controllers <small>(32 84 23 00-0108)</small>		
32 84 23 00-0144	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	85.74
32 84 23 00-0145	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	166.74
32 84 23 00-0146	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	178.77
32 84 23 00-0147	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) <small>(32 84 23 00-0107)</small>		
32 84 23 00-0148	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) <small>(32 84 23 00-0147)</small>		
32 84 23 00-0149	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	453.12 28.04
32 84 23 00-0150	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	555.00 28.04
32 84 23 00-0151	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	657.97 28.04
32 84 23 00-0152	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	759.85 28.04
32 84 23 00-0153	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	862.84 28.04
32 84 23 00-0154	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	964.71 28.04
32 84 23 00-0155	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,067.69 28.04
32 84 23 00-0156	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,169.56 28.04
32 84 23 00-0157	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,272.54 28.04
32 84 23 00-0158	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,374.42 28.04
32 84 23 00-0159	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) <small>(32 84 23 00-0147)</small>		
32 84 23 00-0160	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	417.75 28.04
32 84 23 00-0161	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	519.61 28.04



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0162 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	622.60	28.04
32 84 23 00-0163 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	724.46	28.04
32 84 23 00-0164 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	827.45	28.04
32 84 23 00-0165 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	929.33	28.04
32 84 23 00-0166 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,032.31	28.04
32 84 23 00-0167 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,134.18	28.04
32 84 23 00-0168 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,237.16	28.04
32 84 23 00-0169 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,339.03	28.04
32 84 23 00-0170 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,442.02	28.04
32 84 23 00-0171 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0147)		
32 84 23 00-0172 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	272.34	
32 84 23 00-0173 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM)	619.48	
Note: Excludes concrete foundation.		
32 84 23 00-0174 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	552.15	
32 84 23 00-0175 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)	1,217.90	
Note: Excludes concrete foundation.		
32 84 23 00-0176 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	101.88	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0177 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	204.85	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0178 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	314.34	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0179 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	108.71	
32 84 23 00-0180 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0107)		
32 84 23 00-0181 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0180)		
32 84 23 00-0182 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	200.48	28.04
32 84 23 00-0183 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	247.91	28.04
32 84 23 00-0184 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	323.93	28.04
32 84 23 00-0185 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0180)		
32 84 23 00-0186 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	193.93	
32 84 23 00-0187 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	58.32	21.03
32 84 23 00-0188 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0107)		
32 84 23 00-0189 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	102.40	21.03
32 84 23 00-0190 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	191.73	21.03
32 84 23 00-0191 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	198.38	21.03
32 84 23 00-0192 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	256.00	21.03
32 84 23 00-0193 Two-Wire Decoder Systems (32 84 23 00-0105)		
32 84 23 00-0194 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0193)		
32 84 23 00-0195 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0194)		
Note: Includes water resistant cabinet.		
32 84 23 00-0196 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,128.01	28.04
32 84 23 00-0197 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	1,790.46	28.04
32 84 23 00-0198 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,452.91	28.04
32 84 23 00-0199 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)		
32 84 23 00-0200 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	151.09	28.04
32 84 23 00-0201 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	189.49	28.04
32 84 23 00-0202 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	275.92	28.04
32 84 23 00-0203 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	322.90	28.04
32 84 23 00-0204 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	509.28	28.04
32 84 23 00-0205 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)		
32 84 23 00-0206 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	869.86	
32 84 23 00-0207 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	662.45	
32 84 23 00-0208 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	115.91	24.54
32 84 23 00-0209 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	421.94	28.04

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0210			Calsense Controllers (32 84 23 00-0105)		
32 84 23 00-0211			Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0212	EA		6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	1,450.65	70.10
32 84 23 00-0213	EA		8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	1,864.35	78.85
32 84 23 00-0214	EA		12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	2,546.23	87.62
32 84 23 00-0215	EA		16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	2,796.13	87.62
32 84 23 00-0216	EA		24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	3,301.27	96.38
32 84 23 00-0217	EA		32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	3,971.73	96.38
32 84 23 00-0218	EA		40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	4,495.15	105.15
32 84 23 00-0219	EA		48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	5,025.42	105.15
32 84 23 00-0220	EA		Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	1,455.35	35.05
32 84 23 00-0221	EA		Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	624.20	35.05
32 84 23 00-0222			Irrigation Controller Accessories (32 84 23 00-0210)		
32 84 23 00-0223	EA		Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	58.51	
32 84 23 00-0224	EA		Spare Lock For Enclosures (Calsense PAD)	63.39	
32 84 23 00-0225	EA		Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	80.91	8.77
32 84 23 00-0226	EA		Transformer For Irrigation Controllers (Calsense TR-1)	131.05	35.05
32 84 23 00-0227	EA		AC Line Protection For Irrigation Controllers (Calsense TP-110)	320.00	35.05
32 84 23 00-0228	EA		Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	417.52	35.05
			<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	339.38	
32 84 23 00-0229			Sensors For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0230			Flow Sensors (32 84 23 00-0229)		
32 84 23 00-0231	EA		1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	726.85	52.57
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-361.75	
32 84 23 00-0232	EA		2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	751.23	52.57
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-386.13	
32 84 23 00-0233	EA		3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	775.61	52.57
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-410.51	
32 84 23 00-0234	EA		1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	865.52	70.10
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-500.20	
32 84 23 00-0235	EA		1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	926.47	70.10
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-561.15	
32 84 23 00-0236	EA		1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	950.85	70.10
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-585.53	
32 84 23 00-0237	EA		2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	1,109.32	70.10
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-615.72	
32 84 23 00-0238	EA		2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)	850.27	35.05
			Note: For 4" and larger pipe. Excludes pipe saddle.		
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-356.67	
32 84 23 00-0239			Moisture Sensors (32 84 23 00-0229)		
32 84 23 00-0240	EA		Soil Moisture Sensor (Calsense 1000-S)	308.56	26.28
32 84 23 00-0241			Weather Sensors (32 84 23 00-0229)		
32 84 23 00-0242	EA		Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	841.14	70.10
32 84 23 00-0243	EA		Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,005.71	140.20
32 84 23 00-0244	EA		ET Gage, Irrigation Weather Sensor (Calsense ETG)	1,886.44	105.15
32 84 23 00-0245			Weather Sensor Accessories (32 84 23 00-0229)		
32 84 23 00-0246	EA		Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	557.71	
32 84 23 00-0247	EA		Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	1,033.13	
32 84 23 00-0248	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	557.71	35.05
32 84 23 00-0249	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	1,247.97	35.05
32 84 23 00-0250			Antennas For Irrigation Controllers (32 84 23 00-0210)		
			Note: Excludes antenna cable.		
32 84 23 00-0251	EA		Local Radio Dome Antenna (Calsense LR-DOME)	301.71	35.05
32 84 23 00-0252	EA		Local Radio Stick Antenna (Calsense LR-STICK)	429.71	35.05
32 84 23 00-0253	EA		Local Radio Yagi Antenna (Calsense LR-YAGI)	499.81	70.10
32 84 23 00-0254	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	301.71	35.05
32 84 23 00-0255	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	301.71	35.05
32 84 23 00-0256	EA		GPRS Stubby Antenna (Calsense GR-STUBBY)	301.71	35.05
32 84 23 00-0257	EA		GPRS Stick Antenna (Calsense GR-STICK)	429.71	35.05
32 84 23 00-0258	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME)	301.71	35.05
32 84 23 00-0259	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK)	429.71	35.05
32 84 23 00-0260	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	499.81	70.10
32 84 23 00-0261	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	301.71	35.05
32 84 23 00-0262	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	301.71	35.05
32 84 23 00-0263	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	301.71	35.05



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0264 EA WiFi Stubby Antenna (Calsense WEN-STUBBY)	301.71	35.05
32 84 23 00-0265 LF Antenna Cable With End Connectors (Calsense LMR-400-DB)	7.91	0.42
32 84 23 00-0266 EA Surge Protection Device For Antenna (Calsense ANT-PROT)	291.04	17.52
32 84 23 00-0267 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	478.47	35.05
32 84 23 00-0268 EA 3' Antenna Stand Off Mount For 3' Maximum Tower Leg (Calsense ANT-SOM)	396.18	
32 84 23 00-0269 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	560.75	
32 84 23 00-0270 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER)	414.47	
32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0272 EA 15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	288.00	52.57
32 84 23 00-0273 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	673.93	87.62
32 84 23 00-0274 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	710.09	35.05
Note: Includes GFI and receptacle.		
32 84 23 00-0275 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	838.84	26.28
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0276 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	2,595.06	26.28
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0277 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)	2,929.46	26.28
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0278 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	4,259.24	52.57
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0279 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	4,462.87	52.57
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0280 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	150.50	
32 84 23 00-0281 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	485.32	
32 84 23 00-0282 Central Computer For Irrigation Control Systems (32 84 23 00-0210)		
32 84 23 00-0283 EA Central Computer For Irrigation Control Systems (Calsense COMP-2)	3,272.80	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0284 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	5,777.33	
32 84 23 00-0285 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,115.55	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0286 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	2,182.02	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0287 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,508.35	
32 84 23 00-0288 EA GPRS Radio For Use At Central Computer (Calsense DTR-G).....	2,094.50	
32 84 23 00-0289 Data Access Service (32 84 23 00-0210)		
32 84 23 00-0290 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	17.73	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0291 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)	193.94	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0292 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)	831.15	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0293 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)	72.03	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0294 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	775.74	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0295 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	3,324.60	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0296 Communication Options For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0297 EA FCC License Fee (Calsense).....	129.25	
32 84 23 00-0298 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	240.07	
Note: Per frequency or frequency pair.		
32 84 23 00-0299 EA Hardware Communication Option For Irrigation Controllers (Calsense M)	642.76	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0300 EA Phone Line Communication Option For Irrigation Controllers (Calsense R)	676.00	
32 84 23 00-0301 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN)	676.00	
32 84 23 00-0302 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,385.25	
32 84 23 00-0303 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,762.04	
32 84 23 00-0304 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	1,762.04	
32 84 23 00-0305 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,762.04	
32 84 23 00-0306 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,651.82	
32 84 23 00-0307 EA Communication Hub For Irrigation Controllers (Calsense HUB)	2,187.73	
Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0308 Retrofit Options For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0309 Weather Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0310 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	884.63	
32 84 23 00-0311 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	884.63	
32 84 23 00-0312 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	884.63	
32 84 23 00-0313 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	884.63	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0314	Phone Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0315	EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	928.96	
32 84 23 00-0316	EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	1,095.18	
32 84 23 00-0317	EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,743.48	
32 84 23 00-0318	Local Radio Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0319	EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	1,039.78	
32 84 23 00-0320	EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	2,170.14	
32 84 23 00-0321	EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	2,812.90	
32 84 23 00-0322	Spread Spectrum Radio Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0323	EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	1,039.78	
32 84 23 00-0324	EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	2,170.14	
32 84 23 00-0325	EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	2,812.90	
32 84 23 00-0326	Ethernet Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0327	EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	1,039.78	
32 84 23 00-0328	EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,095.18	
32 84 23 00-0329	EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	1,743.48	
32 84 23 00-0330	GPRS Radio Modem Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0331	EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	1,039.78	
32 84 23 00-0332	EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,170.14	
32 84 23 00-0333	EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,812.90	
32 84 23 00-0334	Radio Remote Units For Irrigation Controllers <small>(32 84 23 00-0210)</small>		
32 84 23 00-0335	EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,045.32	
32 84 23 00-0336	EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe).....	219.42	
	Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0337	EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	94.20	
32 84 23 00-0338	EA Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	172.67	
32 84 23 00-0339	EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)	111.72	8.77
	Note: Excludes antenna cable.		
32 84 23 00-0340	EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	211.46	8.77
	Note: Excludes antenna cable.		
32 84 23 00-0341	EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)	228.08	8.77
	Note: Excludes antenna cable.		
32 84 23 00-0342	Satellite Irrigation Controllers (Rain Bird® ESP-SAT) <small>(32 84 23 00-0105)</small>		
	Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0343	EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	2,499.95	157.72
32 84 23 00-0344	EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	2,636.51	166.48
32 84 23 00-0345	EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	3,627.60	175.24
32 84 23 00-0346	Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0347	Reduced Pressure Zone Valves With QT Shut-Offs <small>(32 84 23 00-0346)</small>		
	Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0348	EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	422.54	32.12
32 84 23 00-0349	EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	502.24	39.21
32 84 23 00-0350	EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	748.15	45.64
32 84 23 00-0351	EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	794.03	52.40
32 84 23 00-0352	EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	956.83	67.62
32 84 23 00-0353	Brass Quick-Coupling Irrigation Valves <small>(32 84 23 00-0346)</small>		
32 84 23 00-0354	EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	101.78	28.00
	For Valve Key, Add	22.70	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0355	EA		3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC) <i>For Locking Cover, Add</i>	104.40 25.00	28.00
			<i>For Valve Key, Add</i>	22.70	
32 84 23 00-0356	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC) <i>For Valve Key, Add</i>	133.28 58.07	28.00
32 84 23 00-0357	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC) <i>For Valve Key, Add</i>	143.78 58.07	28.00
32 84 23 00-0358	EA		1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	138.84	28.00
32 84 23 00-0359	EA		1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	143.78	28.00
32 84 23 00-0360			Anti-Siphon Pressure Type Vacuum Breaker <small>(32 84 23 00-0346)</small> Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0361	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	135.23	23.66
32 84 23 00-0362	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	187.33	27.05
32 84 23 00-0363	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	324.05	31.27
32 84 23 00-0364	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	393.33	34.65
32 84 23 00-0365	EA		2" Anti-Siphon Pressure Type Vacuum Breaker.....	402.71	42.26
32 84 23 00-0366			Irrigation Piping <small>(32 84 23)</small>		
32 84 23 00-0367	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.19 -0.11	0.98
32 84 23 00-0368	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	2.63 -0.13	1.17
32 84 23 00-0369	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	3.64 -0.18	1.48
32 84 23 00-0370	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	4.66 -0.23	1.85
32 84 23 00-0371	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	5.84 -0.29	2.17
32 84 23 00-0372	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	1.84 -0.09	0.78
32 84 23 00-0373	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.30 -0.12	0.98
32 84 23 00-0374	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.81 -0.14	1.17
32 84 23 00-0375	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	3.77 -0.19	1.48
32 84 23 00-0376	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	4.77 -0.24	1.85
32 84 23 00-0377	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	6.00 -0.30	2.17
32 84 23 00-0378	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	8.39 -0.42	3.11
32 84 23 00-0379	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	1.92 -0.10	0.78
32 84 23 00-0380	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.40 -0.12	0.98
32 84 23 00-0381	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.97 -0.15	1.17
32 84 23 00-0382	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	4.09 -0.20	1.48
32 84 23 00-0383	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	5.31 -0.27	1.85
32 84 23 00-0384	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	6.69 -0.33	2.17
32 84 23 00-0385	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	9.37 -0.47	3.11
32 84 23 00-0386	LF		1/2" Poly Pipe, 100 PSI, Non NSF..... <i>For >1,000, Deduct</i>	1.41 -0.07	0.84
32 84 23 00-0387	LF		3/4" Poly Pipe, 100 PSI, Non NSF..... <i>For >1,000, Deduct</i>	1.49 -0.07	0.88
32 84 23 00-0388	LF		1" Poly Pipe, 100 PSI, Non NSF..... <i>For >1,000, Deduct</i>	1.78 -0.09	1.03
32 84 23 00-0389	LF		1-1/4" Poly Pipe, 100 PSI, Non NSF..... <i>For >1,000, Deduct</i>	2.14 -0.11	1.19
32 84 23 00-0390	LF		1-1/2" Poly Pipe, 100 PSI, Non NSF..... <i>For >1,000, Deduct</i>	2.48 -0.12	1.35
32 84 23 00-0391	LF		2" Poly Pipe, 100 PSI, Non NSF..... <i>For >1,000, Deduct</i>	3.21 -0.16	1.66
32 84 23 00-0392	LF		3/4" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	2.01 -0.10	0.88
32 84 23 00-0393	LF		1" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	2.42 -0.12	1.03
32 84 23 00-0394	LF		1-1/4" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	3.05 -0.15	1.19
32 84 23 00-0395	LF		1-1/2" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	3.60 -0.18	1.35
32 84 23 00-0396	LF		2" Poly Pipe, 80 PSI, NSF..... <i>For >1,000, Deduct</i>	4.87 -0.24	1.66
32 84 23 00-0397	LF		3/4" Poly Pipe, 100 PSI, NSF, High Density..... <i>For >1,000, Deduct</i>	1.51 -0.08	0.88

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0398 LF 1" Poly Pipe, 100 PSI, NSF, High Density..... <i>For >1,000, Deduct</i>	1.81 -0.09	1.03
32 84 23 00-0399 LF 1-1/4" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	2.19 -0.11	1.19
32 84 23 00-0400 LF 1-1/2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	2.57 -0.13	1.35
32 84 23 00-0401 LF 2" Poly Pipe, 100 PSI, NSF, High Density..... <i>For >1,000, Deduct</i>	3.35 -0.17	1.66
32 84 23 00-0402 LF 2-1/2" Poly Pipe, 100 PSI, NSF, High Density <i>For >1,000, Deduct</i>	4.46 -0.22	1.94
32 84 23 00-0403 LF 3" Poly Pipe, 100 PSI, NSF, High Density..... <i>For >1,000, Deduct</i>	4.86 -0.24	2.13
32 84 23 00-0404 Irrigation Swing Joints <i>(32 84 23)</i>		
32 84 23 00-0405 EA 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	38.66	15.49
32 84 23 00-0406 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	43.85	17.29
32 84 23 00-0407 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	56.20	17.29
32 84 23 00-0408 EA 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	31.61	20.18
32 84 23 00-0409 EA 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	42.20	26.92
32 84 23 00-0410 EA 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	52.47	33.01
32 84 23 00-0411 EA 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	45.36	20.49
32 84 23 00-0412 EA 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	59.95	27.19
32 84 23 00-0413 EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	73.31	33.34
32 84 23 00-0414 EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	25.64	12.55
32 84 23 00-0415 EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	34.24	16.74
32 84 23 00-0416 EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	40.24	20.75
32 84 23 00-0417 Irrigation Control Wire <i>(32 84 23)</i> Note: Excludes excavation and backfill.		
32 84 23 00-0418 18 AWG, Irrigation Control Wire, Buried In Trench <i>(32 84 23 00-0417)</i>		
32 84 23 00-0419 CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	33.60	11.67
32 84 23 00-0420 CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	43.19	13.61
32 84 23 00-0421 CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	49.65	15.56
32 84 23 00-0422 CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	56.67	17.50
32 84 23 00-0423 CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	64.26	19.46
32 84 23 00-0424 CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	75.86	21.40
32 84 23 00-0425 CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	87.01	23.34
32 84 23 00-0426 CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	94.50	25.29
32 84 23 00-0427 CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	103.49	27.23
32 84 23 00-0428 CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	113.67	29.17
32 84 23 00-0429 CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	118.11	31.12
32 84 23 00-0430 CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	123.14	33.07
32 84 23 00-0431 CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	130.00	35.01
32 84 23 00-0432 16 AWG, Irrigation Control Wire, Buried In Trench <i>(32 84 23 00-0417)</i>		
32 84 23 00-0433 CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	35.12	11.67
32 84 23 00-0434 14 AWG, Irrigation Control Wire, Buried In Trench <i>(32 84 23 00-0417)</i>		
32 84 23 00-0435 CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	35.12	11.67
32 84 23 00-0436 12 AWG, Irrigation Control Wire, Buried In Trench <i>(32 84 23 00-0417)</i>		
32 84 23 00-0437 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench.....	45.15	11.67
32 84 23 00-0438 10 AWG, Irrigation Control Wire, Buried In Trench <i>(32 84 23 00-0417)</i>		
32 84 23 00-0439 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench.....	57.85	11.67
32 84 23 00-0440 Root Watering Systems <i>(32 84 23)</i> Note: Includes swing assembly.		
32 84 23 00-0441 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)..... <i>For Root Watering Sand Sock, Add</i>	60.59 3.61	15.56



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0442	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401).....	64.68	15.56
			<i>For Root Watering Sand Sock, Add</i>	3.61	
32 84 23 00-0443	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	60.59	15.56
			<i>For Root Watering Sand Sock, Add</i>	3.61	
32 84 23 00-0444	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402).....	64.68	15.56
			<i>For Root Watering Sand Sock, Add</i>	3.61	
32 84 23 00-0445	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404).....	64.68	15.56
			<i>For Root Watering Sand Sock, Add</i>	3.61	
32 84 23 00-0446	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	52.65	13.61
			<i>For Root Watering Sand Sock, Add</i>	3.22	
32 84 23 00-0447	EA		0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	56.57	13.61
			<i>For Root Watering Sand Sock, Add</i>	3.22	
32 84 23 00-0448	EA		0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	52.65	13.61
			<i>For Root Watering Sand Sock, Add</i>	3.22	
32 84 23 00-0449	EA		0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	56.57	13.61
			<i>For Root Watering Sand Sock, Add</i>	3.22	
32 84 23 00-0450	EA		0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	36.86	11.67
			<i>For Root Watering Sand Sock, Add</i>	2.84	
32 84 23 00-0451	EA		0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	40.60	11.67
			<i>For Root Watering Sand Sock, Add</i>	2.84	

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)

32 91 13 Soil Preparation ^(32 91)

32 91 13 16 Mulching ^(32 91 13)

32 91 13 16-0001

Mulch ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch	91.10
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-7.24
		<i>For >20 To 50, Deduct</i>	-9.92
		<i>For >50, Deduct</i>	-12.60
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	89.60
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-7.16
		<i>For >20 To 50, Deduct</i>	-9.84
		<i>For >50, Deduct</i>	-12.52
32 91 13 16-0004	CY	Pine Wood Chip Mulch	86.60
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-7.01
		<i>For >20 To 50, Deduct</i>	-9.69
		<i>For >50, Deduct</i>	-12.37
32 91 13 16-0005	CY	Hardwood Chip Mulch.....	92.60
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-7.31
		<i>For >20 To 50, Deduct</i>	-9.99
		<i>For >50, Deduct</i>	-12.67
32 91 13 16-0006	CY	Shredded Hardwood Mulch	95.60
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-7.46
		<i>For >20 To 50, Deduct</i>	-10.14
		<i>For >50, Deduct</i>	-12.82
32 91 13 16-0007	CY	Shredded Pine Mulch.....	79.10
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-6.64
		<i>For >20 To 50, Deduct</i>	-9.32
		<i>For >50, Deduct</i>	-12.00
32 91 13 16-0008	CY	Shredded Cedar Mulch.....	108.35
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-8.10
		<i>For >20 To 50, Deduct</i>	-10.78
		<i>For >50, Deduct</i>	-13.46
32 91 13 16-0009	CY	Shredded Cypress Mulch.....	106.10
		<i>For Work On Slopes >2.5:1, Add</i>	10.72
		<i>For >5 To 20, Deduct</i>	-7.99
		<i>For >20 To 50, Deduct</i>	-10.67
		<i>For >50, Deduct</i>	-13.35

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0010	CY		Shredded Redwood Mulch.....	112.10	
			<i>For Work On Slopes >2.5:1, Add</i>	10.72	
			<i>For >5 To 20, Deduct</i>	-8.29	
			<i>For >20 To 50, Deduct</i>	-10.97	
			<i>For >50, Deduct</i>	-13.65	
32 91 13 16-0011	CY		Pea Gravel Mulch.....	107.65	
			<i>For Work On Slopes >2.5:1, Add</i>	10.72	
			<i>For >5 To 20, Deduct</i>	-8.06	
			<i>For >20 To 50, Deduct</i>	-10.74	
			<i>For >50, Deduct</i>	-13.42	
32 91 13 16-0012	CY		Chunk Recycled Tire Mulch.....	173.59	
			<i>For Work On Slopes >2.5:1, Add</i>	13.72	
			<i>For >5 To 20, Deduct</i>	-12.11	
			<i>For >20 To 50, Deduct</i>	-15.54	
			<i>For >50, Deduct</i>	-18.97	
32 91 13 16-0013	CY		Chunk Colored Recycled Tire Mulch.....	277.09	
			<i>For Work On Slopes >2.5:1, Add</i>	13.72	
			<i>For >5 To 20, Deduct</i>	-17.28	
			<i>For >20 To 50, Deduct</i>	-20.71	
			<i>For >50, Deduct</i>	-24.14	
32 91 13 16-0014	CY		Shredded Recycled Tire Mulch.....	278.59	
			<i>For Work On Slopes >2.5:1, Add</i>	13.72	
			<i>For >5 To 20, Deduct</i>	-17.36	
			<i>For >20 To 50, Deduct</i>	-20.79	
			<i>For >50, Deduct</i>	-24.22	
32 91 13 16-0015	CY		Shredded Colored Recycled Tire Mulch.....	485.59	
			<i>For Work On Slopes >2.5:1, Add</i>	13.72	
			<i>For >5 To 20, Deduct</i>	-27.71	
			<i>For >20 To 50, Deduct</i>	-31.14	
			<i>For >50, Deduct</i>	-34.57	
32 91 13 16-0016	EA		Pine Straw Mulch Bale.....	8.34	
			Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.62	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-0.99	
32 91 13 16-0017	EA		Wheat Straw Mulch Bale.....	8.49	
			Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.47	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.97	
32 91 13 16-0018	CY		Stone/Gravel Mulch, Marble Chips.....	232.10	
			<i>For Work On Slopes >2.5:1, Add</i>	10.72	
			<i>For >5 To 20, Deduct</i>	-14.29	
			<i>For >20 To 50, Deduct</i>	-16.97	
			<i>For >50, Deduct</i>	-19.65	
32 91 13 16-0019	CY		Stone Mulch, Decomposed Granite Chips.....	99.78	
			<i>For Work On Slopes >2.5:1, Add</i>	10.72	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001			Plant Bed Preparation <small>(32 91 13 26)</small>		
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF		Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	0.84	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.17	
32 91 13 26-0003	SF		Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	0.96	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.19	
32 91 13 26-0004	SF		Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	1.12	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.22	
32 91 13 26-0005	SF		Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	4.05	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.81	
32 91 13 26-0006	SF		Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	4.65	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes >2.5:1, Add</i>	0.93	
32 91 13 26-0007	SF		Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	5.48	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes >2.5:1, Add</i>	1.10	

32 91 13 26-0008 Planting Pit Preparation (32 91 13 26)

Note: Not for use when installing trees and shrubs.



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	13 26-0009	CY	Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	70.10	
			<i>For Work On Slopes >2.5:1, Add</i>	14.02	
32 91	13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	140.20	
			<i>For Work On Slopes >2.5:1, Add</i>	28.04	
32 91	13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	9.63	
			<i>For Work On Slopes >2.5:1, Add</i>	1.93	
32 91	13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	12.53	
			<i>For Work On Slopes >2.5:1, Add</i>	2.51	
32 91	13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile <i>For Work On Slopes >2.5:1, Add</i>	62.29	
				12.46	
32 91	13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix..... <i>For Work On Slopes >2.5:1, Add</i>	94.50	
				11.08	
32 91	13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile <i>For Work On Slopes >2.5:1, Add</i>	5.63	
				1.13	
32 91	13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix..... <i>For Work On Slopes >2.5:1, Add</i>	52.43	
				2.66	
32 91 13 26-0017 Weed Barrier <small>(32 91 13 26)</small>					
32 91	13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier <i>For Work On Slopes >2.5:1, Add</i>	1.39	
				0.11	
32 91	13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier..... <i>For Work On Slopes >2.5:1, Add</i>	1.82	
				0.11	
32 91	13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier <i>For Work On Slopes >2.5:1, Add</i>	2.01	
				0.11	
32 91 13 33 Soil Conditioners <small>(32 91 13)</small>					
32 91 13 33-0001 Spread Soil Conditioners <small>(32 91 13 33)</small>					
32 91	13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.41	
32 91	13 33-0003	MSF	Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	39.58	
32 91	13 33-0004	SY	Fertilizer, 0.2 LB/SY, Push Spreader.....	0.05	
32 91	13 33-0005	MSF	Fertilizer, 0.2 LB/SY, Tractor Spread.....	7.56	
32 91	13 33-0006	MSF	Fertilizer, 18.36 LB/MSF, Truck Spread.....	3.70	
32 91	13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader.....	0.09	
32 91	13 33-0008	MSF	Pelletized Lime, 1 LB/SY, Tractor Spreader.....	7.15	
32 91	13 33-0009	SY	Perlite, 1" Deep, Push Spreader.....	3.63	
32 91	13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader.....	377.82	
32 91	13 33-0011	SY	Vermiculite, Push Spreader.....	3.37	
32 91	13 33-0012	MSF	Vermiculite, Tractor Spreader.....	369.06	
32 91 13 36 Lawn Bed Preparation <small>(32 91 13)</small>					
32 91 13 36-0001 Lawn Bed Preparation <small>(32 91 13 36)</small>					
32 91	13 36-0002	MSF	Rake Topsoil With Machine.....	61.83	
32 91	13 36-0003	MSF	Rake Topsoil By Hand.....	56.07	
32 91	13 36-0004	MSF	Screen Loam With Machine.....	79.13	
32 91	13 36-0005	MSF	Screen Loam By Hand.....	37.38	
32 91	13 36-0006	SY	Roll Topsoil With Machine.....	0.77	
32 91	13 36-0007	SY	Roll Topsoil By Hand.....	2.51	
32 91	13 36-0008	MSF	Remove Rocks And Debris With Machine.....	7.32	
32 91	13 36-0009	MSF	Remove Rocks And Debris By Hand.....	23.74	
32 91	13 36-0010	MSF	Root Raking And Loading, No Boulders..... <i>For >45 to 225, Deduct</i>	38.26	
			<i>For >225, Deduct</i>	-26.78	
				-34.43	
32 91	13 36-0011	MSF	Root Raking And Loading, With Boulders..... <i>For >45 to 225, Deduct</i>	63.77	
			<i>For >225, Deduct</i>	-44.64	
				-57.39	
32 91	13 36-0012	MSF	Up To 6" Deep Tilling Topsoil With Tractor.....	3.34	
32 91	13 36-0013	MSF	>6" To 12" Deep Tilling Topsoil With Tractor <i>For Work On Slopes >2.5:1, Add</i>	6.76	
				1.35	
32 91	13 36-0014	SY	Up To 2" Deep Tilling Topsoil With Rototiller.....	0.59	
32 91	13 36-0015	SY	>2" To 4" Deep Tilling Topsoil With Rototiller.....	0.72	
32 91	13 36-0016	SY	>4" To 6" Deep Tilling Topsoil With Rototiller.....	0.89	
32 91	13 36-0017	LF	"V" Cut Soil For Edge Of Planting Beds.....	0.99	
32 91 13 36-0018 Sod Removal <small>(32 91 13 36)</small>					
32 91	13 36-0019	SY	Remove Sod By Hand..... <i>For Work On Slopes >2.5:1, Add</i>	4.72	
				0.94	
32 91	13 36-0020	SY	Remove Sod With Machine..... <i>For Work On Slopes >2.5:1, Add</i>	0.45	
				0.09	
32 91	13 36-0021	SY	Pile Sod By Hand..... <i>For Work On Slopes >2.5:1, Add</i>	2.81	
				0.56	
32 91	13 36-0022	SY	Pile Sod With Machine..... <i>For Work On Slopes >2.5:1, Add</i>	0.84	
				0.17	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 91 19 Landscape Grading (32 91)****32 91 19 13 Topsoil Placement And Grading (32 91 19)**

32 91 19 13-0001	Remove And Stockpile Topsoil On Site (32 91 19 13)		
32 91 19 13-0002	CY Remove Topsoil, 4" Deep Stockpile On Site.....		3.36
32 91 19 13-0003	CY Remove Topsoil, 6" Deep Stockpile On Site.....		3.33
32 91 19 13-0004	Screening Topsoil (32 91 19 13)		
32 91 19 13-0005	CY Screen Topsoil With Vibrating Screen, Wet Material.....		7.67
32 91 19 13-0006	CY Screen Topsoil With Vibrating Screen, Dry Material.....		5.11
32 91 19 13-0007	CY Screen Topsoil With Vibrating Screen And Mix With Conditioners.....		2.06
32 91 19 13-0008	Spreading Topsoil From Stockpile (32 91 19 13)		
32 91 19 13-0009	CY Spread Topsoil By Machine From Stockpile.....		5.72
32 91 19 13-0010	CY Spread Topsoil By Hand From Stockpile.....		53.50
32 91 19 13-0011	Furnish And Place Imported Screened Topsoil (32 91 19 13)		
	Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0012	SY Furnish And Place Imported Screened Topsoil, 2" Deep.....		2.94
	For Unscreened, Deduct.....		-0.41
32 91 19 13-0013	SY Furnish And Place Imported Screened Topsoil, 4" Deep.....		5.67
	For Unscreened, Deduct.....		-0.82
32 91 19 13-0014	SY Furnish And Place Imported Screened Topsoil, 6" Deep.....		8.23
	For Unscreened, Deduct.....		-1.23
32 91 19 13-0015	SY Furnish And Place Imported Screened Topsoil, 9" Deep.....		11.91
	For Unscreened, Deduct.....		-1.84
32 91 19 13-0016	SY Furnish And Place Imported Screened Topsoil, 12" Deep.....		15.61
	For Unscreened, Deduct.....		-2.46
32 91 19 13-0017	CY Furnish And Place Imported Screened Topsoil, Over 12" Deep.....		43.32
	For Unscreened, Deduct.....		-7.38

32 91 19 16 Scarify Soil (32 91 19)

32 91 19 16-0001	Scarify Soil For Planting Preparation (32 91 19 16)		
	Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 16-0002	MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine.....		45.06
32 91 19 16-0003	MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....		31.53
32 91 19 16-0004	MSF >20,000 SF Scarify Up To 8" Soil With Machine With Scarifier.....		18.48

32 92 Turf And Grasses (32 90)**32 92 16 Plugging (32 92)**

32 92 16 00-0001	Bermuda Or Centipede Plugging, 1" Deep (32 92 16)		
	Note: Includes fine grade and soil preparation.		
32 92 16 00-0002	6" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0003	MSF Plugging By Hand, 6" On Center.....		183.26
32 92 16 00-0004	MSF Plugging By Walk Behind Planter, 6" On Center.....		27.15
32 92 16 00-0005	MSF Plugging By Towed Planter, 6" On Center.....		20.80
32 92 16 00-0006	9" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0007	MSF Plugging By Hand, 9" On Center.....		140.53
32 92 16 00-0008	MSF Plugging By Walk Behind Planter, 9" On Center.....		21.16
32 92 16 00-0009	MSF Plugging By Towed Planter, 9" On Center.....		15.56
32 92 16 00-0010	12" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0011	MSF Plugging By Hand, 12" On Center.....		117.91
32 92 16 00-0012	MSF Plugging By Walk Behind Planter, 12" On Center.....		14.22
32 92 16 00-0013	MSF Plugging By Towed Planter, 12" On Center.....		9.91

32 92 19 Seeding (32 92)**32 92 19 13 Mechanical Seeding (32 92 19)**

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001	Tractor Spreader Mechanical Seeding (32 92 19 13)		
	Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 13-0002	MSF Common Bluegrass, Tractor Spreader.....		34.94
	Note: 4 LB/MSF spread rate.		



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader Note: 5.5 LB/MSF spread rate.	27.18	
32 92 19 13-0004 MSF Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	27.80	
32 92 19 13-0005 MSF Shade Mix, Tractor Spreader Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	30.95	
32 92 19 13-0006 MSF Turf Mix, Tractor Spreader Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	33.20	
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	30.19	
32 92 19 13-0008 MSF Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	26.43	
32 92 19 13-0009 MSF Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	19.35	
32 92 19 13-0010 MSF Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	75.38	
32 92 19 13-0011 MSF Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	42.24	
32 92 19 13-0012 MSF White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	19.27	
32 92 19 13-0013 MSF Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	22.28	
32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)		
32 92 19 13-0015 MSF Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	71.22	
<i>For Spot Areas Up To 1, Add</i>	70.51	
<i>For >1 To 4, Add</i>	44.80	
<i>For >4 To 7.5, Add</i>	30.04	
<i>For >7.5 To 10, Add</i>	15.02	
<i>For >45, Deduct</i>	-5.47	
<i>For Tackifier, Add</i>	0.71	
32 92 19 13-0016 MSF Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	76.25	
<i>For Spot Areas Up To 1, Add</i>	72.52	
<i>For >1 To 4, Add</i>	45.81	
<i>For >4 To 7.5, Add</i>	30.55	
<i>For >7.5 To 10, Add</i>	15.27	
<i>For >45, Deduct</i>	-5.72	
<i>For Tackifier, Add</i>	0.71	
32 92 19 13-0017 MSF Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	71.43	
<i>For Spot Areas Up To 1, Add</i>	70.59	
<i>For >1 To 4, Add</i>	44.85	
<i>For >4 To 7.5, Add</i>	30.06	
<i>For >7.5 To 10, Add</i>	15.03	
<i>For >45, Deduct</i>	-5.48	
<i>For Tackifier, Add</i>	0.71	
32 92 19 13-0018 MSF Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	71.22	
<i>For Spot Areas Up To 1, Add</i>	70.51	
<i>For >1 To 4, Add</i>	44.80	
<i>For >4 To 7.5, Add</i>	30.04	
<i>For >7.5 To 10, Add</i>	15.02	
<i>For >45, Deduct</i>	-5.47	
<i>For Tackifier, Add</i>	0.71	
32 92 19 13-0019 MSF Turf Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	76.25	
<i>For Spot Areas Up To 1, Add</i>	72.52	
<i>For >1 To 4, Add</i>	45.81	
<i>For >4 To 7.5, Add</i>	30.55	
<i>For >7.5 To 10, Add</i>	15.27	
<i>For >45, Deduct</i>	-5.72	
<i>For Tackifier, Add</i>	0.71	
32 92 19 13-0020 MSF Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	74.09	
<i>For Spot Areas Up To 1, Add</i>	71.66	
<i>For >1 To 4, Add</i>	45.38	
<i>For >4 To 7.5, Add</i>	30.33	
<i>For >7.5 To 10, Add</i>	15.16	
<i>For >45, Deduct</i>	-5.61	
<i>For Tackifier, Add</i>	0.71	
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	72.36	
<i>For Spot Areas Up To 1, Add</i>	70.96	
<i>For >1 To 4, Add</i>	45.03	
<i>For >4 To 7.5, Add</i>	30.16	
<i>For >7.5 To 10, Add</i>	15.08	
<i>For >45, Deduct</i>	-5.53	
<i>For Tackifier, Add</i>	0.71	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding.....	66.76	
			Note: 0.10 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	68.72	
			For >1 To 4, Add	43.91	
			For >4 To 7.5, Add	29.60	
			For >7.5 To 10, Add	14.80	
			For >45, Deduct	-5.25	
			For Tackifier, Add	0.71	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding.....	117.17	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	88.89	
			For >1 To 4, Add	53.99	
			For >4 To 7.5, Add	34.64	
			For >7.5 To 10, Add	17.32	
			For >45, Deduct	-7.77	
			For Tackifier, Add	0.71	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding.....	101.39	
			Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For Spot Areas Up To 1, Add	82.58	
			For >1 To 4, Add	50.84	
			For >4 To 7.5, Add	33.06	
			For >7.5 To 10, Add	16.53	
			For >45, Deduct	-6.98	
			For Tackifier, Add	0.71	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding.....	59.95	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	66.00	
			For >1 To 4, Add	42.55	
			For >4 To 7.5, Add	28.92	
			For >7.5 To 10, Add	14.46	
			For >45, Deduct	-4.91	
			For Tackifier, Add	0.71	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding.....	68.35	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	69.36	
			For >1 To 4, Add	44.23	
			For >4 To 7.5, Add	29.76	
			For >7.5 To 10, Add	14.88	
			For >45, Deduct	-5.33	
			For Tackifier, Add	0.71	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	72.66	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	71.08	
			For >1 To 4, Add	45.09	
			For >4 To 7.5, Add	30.19	
			For >7.5 To 10, Add	15.09	
			For >45, Deduct	-5.54	
			For Tackifier, Add	0.71	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium.....	69.07	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-4.41	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium.....	80.02	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-5.00	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium.....	91.04	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-5.61	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium.....	102.07	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-6.21	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium.....	113.17	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-6.82	
32 92 19 19			Seeding By Hand <small>(32 92 19)</small>		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0001			Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
			Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand.....	89.90	
			Note: 4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.25	
			For >20 To 45, Deduct	-12.00	
			For >45, Deduct	-19.50	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand.....	82.14	
			Note: 5.5 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.86	
			For >20 To 45, Deduct	-11.42	
			For >45, Deduct	-18.73	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	82.76	
Note: 10 LB/MSF spread rate.		
For >5 To 20, Deduct	-5.89	
For >20 To 45, Deduct	-11.46	
For >45, Deduct	-18.79	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand.....	85.91	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For >5 To 20, Deduct	-6.05	
For >20 To 45, Deduct	-11.70	
For >45, Deduct	-19.10	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand.....	88.16	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For >5 To 20, Deduct	-6.16	
For >20 To 45, Deduct	-11.87	
For >45, Deduct	-19.33	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand.....	85.15	
Note: 6 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.01	
For >20 To 45, Deduct	-11.64	
For >45, Deduct	-19.03	
32 92 19 19-0008 MSF Utility Mix, Push Spreader Or Hand	81.39	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For >5 To 20, Deduct	-5.82	
For >20 To 45, Deduct	-11.36	
For >45, Deduct	-18.65	
32 92 19 19-0009 MSF Wild Flower Mix, Push Spreader Or Hand	74.31	
Note: 0.10 LB/MSF spread rate.		
For >5 To 20, Deduct	-5.47	
For >20 To 45, Deduct	-10.83	
For >45, Deduct	-17.94	
32 92 19 19-0010 MSF Crown Vetch Mix, Push Spreader Or Hand	130.34	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-8.27	
For >20 To 45, Deduct	-15.03	
For >45, Deduct	-23.55	
32 92 19 19-0011 MSF Athletic Mix, Push Spreader Or Hand	97.20	
Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For >5 To 20, Deduct	-6.61	
For >20 To 45, Deduct	-12.55	
For >45, Deduct	-20.23	
32 92 19 19-0012 MSF White Clover Mix, Push Spreader Or Hand	74.23	
Note: 7 LB/MSF spread rate.		
For >5 To 20, Deduct	-5.46	
For >20 To 45, Deduct	-10.82	
For >45, Deduct	-17.94	
32 92 19 19-0013 MSF Ladino Clover Mix, Push Spreader Or Hand.....	77.24	
Note: 7 LB/MSF spread rate.		
For >5 To 20, Deduct	-5.61	
For >20 To 45, Deduct	-11.05	
For >45, Deduct	-18.24	
32 92 19 19-0014 MSF 100% Kentucky Bluegrass, Push Spreader Or Hand.....	91.27	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.32	
For >20 To 45, Deduct	-12.10	
For >45, Deduct	-19.64	
32 92 19 19-0015 MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	87.32	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.12	
For >20 To 45, Deduct	-11.81	
For >45, Deduct	-19.25	
32 92 19 19-0016 MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	84.45	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-5.97	
For >20 To 45, Deduct	-11.59	
For >45, Deduct	-18.96	
32 92 19 19-0017 MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	90.19	
Note: 4.4 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.26	
For >20 To 45, Deduct	-12.02	
For >45, Deduct	-19.53	
32 92 19 19-0018 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	85.88	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.05	
For >20 To 45, Deduct	-11.70	
For >45, Deduct	-19.10	
32 92 19 19-0019 MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	88.16	
Note: 3.3 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.16	
For >20 To 45, Deduct	-11.87	
For >45, Deduct	-19.33	

32 92 23

Sodding (32 92)

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

54" long) rolls and initial watering.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0001			Bermuda Sod (32 92 23)		
32 92 23 00-0002	MSF	Up To 1,000 SF,	Bermuda Sod, Installed On Level Ground	916.89	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF,	Bermuda Sod, Installed On Level Ground.....	882.65	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF,	Bermuda Sod, Installed On Level Ground.....	809.29	
32 92 23 00-0005	MSF	>8,000 SF,	Bermuda Sod, Installed On Level Ground.....	779.94	
32 92 23 00-0006	MSF	Up To 1,000 SF,	Bermuda Sod, Installed On Sloped Ground.....	1,190.77	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF,	Bermuda Sod, Installed On Sloped Ground	1,116.07	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF,	Bermuda Sod, Installed On Sloped Ground	970.33	
32 92 23 00-0009	MSF	>8,000 SF,	Bermuda Sod, Installed On Sloped Ground	916.89	
32 92 23 00-0010			Zoysia Sod (32 92 23)		
32 92 23 00-0011	MSF	Up To 1,000 SF,	Zoysia Sod, Installed On Level Ground	1,234.41	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF,	Zoysia Sod, Installed On Level Ground.....	1,200.17	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF,	Zoysia Sod, Installed On Level Ground.....	1,126.81	
32 92 23 00-0014	MSF	>8,000 SF,	Zoysia Sod, Installed On Level Ground.....	1,097.46	
32 92 23 00-0015	MSF	Up To 1,000 SF,	Zoysia Sod, Installed On Sloped Ground.....	1,508.29	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF,	Zoysia Sod, Installed On Sloped Ground	1,433.59	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF,	Zoysia Sod, Installed On Sloped Ground	1,287.85	
32 92 23 00-0018	MSF	>8,000 SF,	Zoysia Sod, Installed On Sloped Ground	1,234.41	
32 92 23 00-0019			Tall Fescue Sod (32 92 23)		
32 92 23 00-0020	MSF	Up To 1,000 SF,	Tall Fescue Sod, Installed On Level Ground	1,219.71	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0021	MSF	>1,000 To 4,000 SF,	Tall Fescue Sod, Installed On Level Ground.....	1,185.47	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0022	MSF	>4,000 To 8,000 SF,	Tall Fescue Sod, Installed On Level Ground.....	1,112.11	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0023	MSF	>8,000 SF,	Tall Fescue Sod, Installed On Level Ground	1,082.76	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0024	MSF	Up To 1,000 SF,	Tall Fescue Sod, Installed On Sloped Ground.....	1,493.59	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF,	Tall Fescue Sod, Installed On Sloped Ground	1,418.89	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF,	Tall Fescue Sod, Installed On Sloped Ground	1,273.15	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0027	MSF	>8,000 SF,	Tall Fescue Sod, Installed On Sloped Ground	1,219.71	
			<i>For Hybrid Fescue "Marathon", Add</i>	67.19	
32 92 23 00-0028			Centipede Sod (32 92 23)		
32 92 23 00-0029	MSF	Up To 1,000 SF,	Centipede Sod, Installed On Level Ground.....	1,111.67	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF,	Centipede Sod, Installed On Level Ground	1,077.43	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF,	Centipede Sod, Installed On Level Ground	1,004.07	
32 92 23 00-0032	MSF	>8,000 SF,	Centipede Sod, Installed On Level Ground	974.72	
32 92 23 00-0033	MSF	Up To 1,000 SF,	Centipede Sod, Installed On Sloped Ground.....	1,385.55	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF,	Centipede Sod, Installed On Sloped Ground.....	1,310.85	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF,	Centipede Sod, Installed On Sloped Ground.....	1,165.11	
32 92 23 00-0036	MSF	>8,000 SF,	Centipede Sod, Installed On Sloped Ground.....	1,111.67	
32 92 23 00-0037			Kentucky Blue Grass Sod (32 92 23)		
32 92 23 00-0038	MSF	Up To 1,000 SF,	Kentucky Blue Grass Sod, Installed On Level Ground.....	1,044.31	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF,	Kentucky Blue Grass Sod, Installed On Level Ground	1,010.07	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF,	Kentucky Blue Grass Sod, Installed On Level Ground.....	936.71	
32 92 23 00-0041	MSF	>8,000 SF,	Kentucky Blue Grass Sod, Installed On Level Ground.....	907.36	
32 92 23 00-0042	MSF	Up To 1,000 SF,	Kentucky Blue Grass Sod, Installed On Sloped Ground.....	1,318.19	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF,	Kentucky Blue Grass Sod, Installed On Sloped Ground	1,243.49	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF,	Kentucky Blue Grass Sod, Installed On Sloped Ground	1,097.75	
32 92 23 00-0045	MSF	>8,000 SF,	Kentucky Blue Grass Sod, Installed On Sloped Ground.....	1,044.31	
32 92 23 00-0046			Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar (32 92 23)		
32 92 23 00-0047	MSF	Up To 1,000 SF,	Ballfield Mix 2A Sod, Installed On Level Ground	1,003.46	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF,	Ballfield Mix 2A Sod, Installed On Level Ground	969.22	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF,	Ballfield Mix 2A Sod, Installed On Level Ground	895.86	
32 92 23 00-0050	MSF	>8,000 SF,	Ballfield Mix 2A Sod, Installed On Level Ground	866.51	
32 92 23 00-0051	MSF	Up To 1,000 SF,	Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,277.34	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF,	Ballfield Mix 2A Sod, Installed On Sloped Ground	1,202.64	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF,	Ballfield Mix 2A Sod, Installed On Sloped Ground	1,056.90	
32 92 23 00-0054	MSF	>8,000 SF,	Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,003.46	
32 92 23 00-0055			GN-1 Sod (32 92 23)		
32 92 23 00-0056	MSF	Up To 1,000 SF,	GN-1 Sod, Installed On Level Ground	1,228.20	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF,	GN-1 Sod, Installed On Level Ground	1,193.96	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF,	GN-1 Sod, Installed On Level Ground.....	1,120.60	
32 92 23 00-0059	MSF	>8,000 SF,	GN-1 Sod, Installed On Level Ground.....	1,091.25	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,502.08
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,427.38
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,281.64
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped Ground.....	1,228.20

32 92 23 00-0064 Tifgreen Bermuda Sod (32 92 23)

32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,277.31
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,243.07
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,169.71
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,140.36
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,551.19
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,476.49
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,330.75
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground.....	1,277.31

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass.....	7.04
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass.....	8.58
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass.....	10.12
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass.....	38.87
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass.....	4.33
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass.....	6.23
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass.....	8.58
32 93 13 00-0009	EA	1 Quart Koeleria glauca - Blue Hair Grass.....	3.08
32 93 13 00-0010	EA	1 Gallon Koeleria glauca - Blue Hair Grass.....	5.50
32 93 13 00-0011	EA	3 Gallon Koeleria glauca - Blue Hair Grass.....	10.12
32 93 13 00-0012	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	8.58
32 93 13 00-0013	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	14.81
32 93 13 00-0014	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	19.51
32 93 13 00-0015	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	8.58
32 93 13 00-0016	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	14.81
32 93 13 00-0017	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	19.51
32 93 13 00-0018	EA	1 Quart Pennisetum setaceum - Fountain Grass.....	3.45
32 93 13 00-0019	EA	1 Gallon Pennisetum setaceum - Fountain Grass.....	5.50
32 93 13 00-0020	EA	3 Gallon Pennisetum setaceum - Fountain Grass.....	10.12
32 93 13 00-0021	EA	1 Gallon Saccharum ravennae - Ravenna Grass.....	7.04
32 93 13 00-0022	EA	3 Gallon Saccharum ravennae - Ravenna Grass.....	10.12
32 93 13 00-0023	EA	7 Gallon Saccharum ravennae - Ravenna Grass.....	19.51
32 93 13 00-0024	EA	1 Gallon Spartina pectinata - Variegated Cord Grass.....	6.23
32 93 13 00-0025	EA	2 Gallon Spartina pectinata - Variegated Cord Grass.....	10.12
32 93 13 00-0026	EA	1 Quart Stipa gigantea - Giant Feather Grass.....	7.77
32 93 13 00-0027	EA	1 Gallon Stipa gigantea - Giant Feather Grass.....	11.73

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant.....	6.18
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant.....	16.65
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant.....	55.05
32 93 13 00-0032	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	5.27
32 93 13 00-0033	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	14.66
32 93 13 00-0034	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	5.27
32 93 13 00-0035	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	13.70
32 93 13 00-0036	EA	1 Gallon Dietes Vegata - Fortnight Lily.....	4.62
32 93 13 00-0037	EA	5 Gallon Dietes Vegata - Fortnight Lily.....	11.39
32 93 13 00-0038	EA	1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	8.58
32 93 13 00-0039	EA	5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	22.55
32 93 13 00-0040	EA	4" Pot Miscanthus 'Morning Light' - NCN.....	6.43
32 93 13 00-0041	EA	20 Count Flat Miscanthus 'Morning Light' - NCN.....	94.92
32 93 13 00-0042	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass.....	8.58
32 93 13 00-0043	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine.....	4.67
32 93 13 00-0044	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine.....	11.69
32 93 13 00-0045	EA	1 Gallon Westringia Fruticosa - Coast Rosemary.....	4.62
32 93 13 00-0046	EA	5 Gallon Westringia Fruticosa - Coast Rosemary.....	11.39
32 93 13 00-0047	EA	15 Gallon Westringia Fruticosa - Coast Rosemary.....	46.73
32 93 13 00-0048	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	7.77
32 93 13 00-0049	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	10.12
32 93 13 00-0050	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	12.81
32 93 13 00-0051	EA	1 Quart Waldsteinia ternata - Barren Strawberry.....	2.20
32 93 13 00-0052	EA	1 Gallon Waldsteinia ternata - Barren Strawberry.....	5.28
32 93 13 00-0053	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	7.19
32 93 13 00-0054	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	13.64
32 93 13 00-0055	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	24.05
32 93 13 00-0056	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	2.46
32 93 13 00-0057	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	4.55

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0058	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	15.99	
32 93 13 00-0059	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	5.97	
32 93 13 00-0060	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	3.67	
32 93 13 00-0061	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	8.36	
32 93 13 00-0062	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	22.88	
32 93 13 00-0063	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	7.69	
32 93 13 00-0064	EA	1 Quart Iberis sempervirens - Candytuft.....	2.20	
32 93 13 00-0065	EA	1 Gallon Iberis sempervirens - Candytuft.....	5.28	
32 93 13 00-0066	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	5.28	
32 93 13 00-0067	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	19.07	
32 93 13 00-0068	EA	3" Pot Ajuga reptans - Carpet Bugle.....	1.32	
32 93 13 00-0069	EA	1 Quart Ajuga reptans - Carpet Bugle.....	2.20	
32 93 13 00-0070	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	5.28	
32 93 13 00-0071	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	22.73	
32 93 13 00-0072	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	5.28	
32 93 13 00-0073	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	22.88	
32 93 13 00-0074	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	6.89	
32 93 13 00-0075	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	15.25	
32 93 13 00-0076	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	22.88	
32 93 13 00-0077	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	7.58	
32 93 13 00-0078	EA	2 Gallon Ranunculaceae - Clematis Varieties.....	14.02	
32 93 13 00-0079	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	9.53	
32 93 13 00-0080	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	17.89	
32 93 13 00-0081	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	29.33	
32 93 13 00-0082	EA	4" Pot Lantana camera - Common Lantana.....	1.32	
32 93 13 00-0083	EA	1 Gallon Lantana camera - Common Lantana.....	3.81	
32 93 13 00-0084	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	4.55	
32 93 13 00-0085	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	14.96	
32 93 13 00-0086	EA	2 Quart Lysimachia nummularia - Creeping Jenny.....	2.20	
32 93 13 00-0087	EA	1 Gallon Lysimachia nummularia - Creeping Jenny.....	4.25	
32 93 13 00-0088	EA	2 Quart Liriope spicata - Creeping Lilytuft.....	3.81	
32 93 13 00-0089	EA	1 Gallon Liriope spicata - Creeping Lilytuft.....	6.89	
32 93 13 00-0090	EA	5 Gallon Liriope spicata - Creeping Lilytuft.....	14.52	
32 93 13 00-0091	EA	Bare Root Liriope spicata - Creeping Liriope.....	0.96	
32 93 13 00-0092	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.32	
32 93 13 00-0093	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	5.28	
32 93 13 00-0094	EA	2-1/4" Pot Securigera varia - Crown Vetch.....	0.88	
32 93 13 00-0095	EA	50 Plant Flat Securigera varia - Crown Vetch.....	29.77	
32 93 13 00-0096	EA	1 Quart Senecio cineraria - Dusty Miller.....	2.20	
32 93 13 00-0097	EA	1 Gallon Senecio cineraria - Dusty Miller.....	5.28	
32 93 13 00-0098	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	18.33	
32 93 13 00-0099	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	33.59	
32 93 13 00-0100	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	3.98	
32 93 13 00-0101	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	8.54	
32 93 13 00-0102	EA	3 Gallon Rhampholepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	8.54	
32 93 13 00-0103	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	2.85	
32 93 13 00-0104	EA	2" To 3" Pot Hedera helix - English Ivy.....	1.32	
32 93 13 00-0105	EA	12" To 15" Runners Hedera helix - English Ivy.....	2.20	
32 93 13 00-0106	EA	1 Gallon Hedera helix - English Ivy.....	5.28	
32 93 13 00-0107	EA	50 Plant Flat Hedera helix - English Ivy.....	30.51	
32 93 13 00-0108	EA	4" Pot Lavandula angustifolia - English Lavender.....	1.91	
32 93 13 00-0109	EA	1 Quart Lavandula angustifolia - English Lavender.....	3.67	
32 93 13 00-0110	EA	1 Gallon Lavandula angustifolia - English Lavender.....	6.01	
32 93 13 00-0111	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	5.72	
32 93 13 00-0112	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	11.44	
32 93 13 00-0113	EA	1 Quart Arundo donax - Giant Reed.....	7.04	
32 93 13 00-0114	EA	1 Gallon Arundo donax - Giant Reed.....	10.12	
32 93 13 00-0115	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	6.01	
32 93 13 00-0116	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	11.44	
32 93 13 00-0117	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	7.77	
32 93 13 00-0118	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	11.73	
32 93 13 00-0119	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.32	
32 93 13 00-0120	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	6.01	
32 93 13 00-0121	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	11.44	
32 93 13 00-0122	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	5.28	
32 93 13 00-0123	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	17.60	
32 93 13 00-0124	EA	3 Gallon Hibiscus, Assorted Colors.....	6.88	
32 93 13 00-0125	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	5.50	
32 93 13 00-0126	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	2.77	
32 93 13 00-0127	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	6.88	
32 93 13 00-0128	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	3.45	
32 93 13 00-0129	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	7.69	
32 93 13 00-0130	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	4.25	
32 93 13 00-0131	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	13.35	
32 93 13 00-0132	EA	1 Quart Stachys byzantina - Lamb's Ear.....	2.20	
32 93 13 00-0133	EA	1 Quart Stachys byzantina - Lamb's Ear.....	5.28	
32 93 13 00-0134	EA	1 Gallon Lantana spp. Various Colors.....	3.11	
32 93 13 00-0135	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....	2.05	
32 93 13 00-0136	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	4.25	
32 93 13 00-0137	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	15.25	
32 93 13 00-0138	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	3.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0139	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.93	
32 93 13 00-0140	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.28	
32 93 13 00-0141	EA	1	Quart Moss Phlox, Creeping Phlox	2.20	
32 93 13 00-0142	EA	1	Gallon Moss Phlox, Creeping Phlox	5.28	
32 93 13 00-0143	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern	2.77	
32 93 13 00-0144	EA	4	Pot Ophiopogon Japonicus - Mondo grass	1.32	
32 93 13 00-0145	EA	1	Gallon Ophiopogon Japonicus - Mondo grass	5.28	
32 93 13 00-0146	EA	5	Gallon Ophiopogon Japonicus - Mondo grass	12.17	
32 93 13 00-0147	EA	2	To 3' High Oregon Holly-Grape	6.09	
32 93 13 00-0148	EA	1	Gallon Pachysandra terminalis - Pachysandra	7.94	
32 93 13 00-0149	EA	2-1/4	Pot Vinca minor - Periwinkle	0.73	
32 93 13 00-0150	EA	4	Pot Vinca minor - Periwinkle	2.20	
32 93 13 00-0151	EA	Bare Root	Vinca minor - Periwinkle	0.73	
32 93 13 00-0152	EA	1	Quart Nepeta mussinii - Persian Catmint	2.20	
32 93 13 00-0153	EA	1	Gallon Nepeta mussinii - Persian Catmint	4.55	
32 93 13 00-0154	EA	1	Gallon Coprosma kirkii - Prostrate Coprosma	3.67	
32 93 13 00-0155	EA	5	Gallon Coprosma kirkii - Prostrate Coprosma	13.35	
32 93 13 00-0156	EA	1	Gallon Juniperus Horizontalis - Prostrate Juniper	6.01	
32 93 13 00-0157	EA	3	Gallon Juniperus Horizontalis - Prostrate Juniper	12.91	
32 93 13 00-0158	EA	5	Gallon Juniperus Horizontalis - Prostrate Juniper	19.07	
32 93 13 00-0159	EA	1	Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	5.24	
32 93 13 00-0160	EA	1	Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.57	
32 93 13 00-0161	EA	24	Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	22.73	
32 93 13 00-0162	EA	1	Gallon Tradescantia spathacea - Rhoecol discolor "Dwarf"	2.77	
32 93 13 00-0163	EA	1	Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	3.08	
32 93 13 00-0164	EA	1	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	5.50	
32 93 13 00-0165	EA	2	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	8.58	
32 93 13 00-0166	EA	1	Gallon Hymenocallis latifolia - Spider Lily	3.41	
32 93 13 00-0167	EA	3	Gallon Hymenocallis latifolia - Spider Lily	9.10	
32 93 13 00-0168	EA	1	Quart Hypericum perforatum - St. John's Wort	2.20	
32 93 13 00-0169	EA	1	Gallon Hypericum perforatum - St. John's Wort	5.28	
32 93 13 00-0170	EA	5	Gallon Hypericum perforatum - St. John's Wort	13.64	
32 93 13 00-0171	EA	24	To 30" High Viburnum awabuki - Sweet Viburnum	18.56	
32 93 13 00-0172	EA	1	Gallon Campsis radicans - Trumpet Creeper	8.07	
32 93 13 00-0173	EA	2	Gallon Campsis radicans - Trumpet Creeper	12.17	
32 93 13 00-0174	EA	5	Gallon Campsis radicans - Trumpet Creeper	29.33	
32 93 13 00-0175	EA	2-1/4	Pot Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0176	EA	4	Pot Vinca major - Variegated Greater Periwinkle	2.20	
32 93 13 00-0177	EA	Bare Root	Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0178	EA	1	Quart Carex hachijoensis - Variegated Japanese Sedge	3.96	
32 93 13 00-0179	EA	1	Gallon Carex hachijoensis - Variegated Japanese Sedge	5.50	
32 93 13 00-0180	EA	2	Gallon Carex hachijoensis - Variegated Japanese Sedge	8.58	
32 93 13 00-0181	EA	1	Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	6.01	
32 93 13 00-0182	EA	2	Quart Verbena peruviana "St. Paul" - St. Paul Verbena	2.79	
32 93 13 00-0183	EA	1	Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	4.25	
32 93 13 00-0184	EA	48	Plant Flat Vinca minor - Lesser Periwinkle	26.14	
32 93 13 00-0185	EA	3	Pot Parthenocissus quinquefolia - Virginia Creeper	1.32	
32 93 13 00-0186	EA	1	Gallon Parthenocissus quinquefolia - Virginia Creeper	6.89	
32 93 13 00-0187	EA	1	Gallon Jasminum polyanthum - Winter Jasmine	5.28	
32 93 13 00-0188	EA	2	Gallon Jasminum polyanthum - Winter Jasmine	10.56	
32 93 13 00-0189	EA	5	Gallon Jasminum polyanthum - Winter Jasmine	18.33	
32 93 13 00-0190	EA	1	Gallon Cistaceae - Wrinkleleaf Rock Rose	4.25	
32 93 13 00-0191	EA	5	Gallon Cistaceae - Wrinkleleaf Rock Rose	14.52	
32 93 13 00-0192	EA	Flat	Hedera canariensis - Algerian Ivy	12.54	
32 93 13 00-0193	EA	2-1/2	Pot Hedera canariensis - Algerian Ivy	3.31	
32 93 13 00-0194	EA	Flat	Gazania 'Copper King'	10.29	
32 93 13 00-0195	EA	1	Gallon Gazania 'Copper King'	3.51	
32 93 13 00-0196	EA	Flat	Myoporum parvifolium - Myoporum	12.54	
32 93 13 00-0197	EA	1	Gallon Myoporum parvifolium - Myoporum	3.51	
32 93 13 00-0198	EA	5	Gallon Myoporum parvifolium - Myoporum	10.04	
32 93 13 00-0199	EA	1	Gallon Lantana montevidensis - Purple Lantana	3.51	
32 93 13 00-0200	EA	5	Gallon Lantana montevidensis - Purple Lantana	10.04	
32 93 13 00-0201	EA	Flat	Carpobrotus - Ice Plant	9.53	
32 93 13 00-0202	EA	1	Gallon Carpobrotus - Ice Plant	4.01	

32 93 23 Plants And Bulbs (32 93)

Note: Materials only.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies	4.25	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies	6.01	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies	9.97	
32 93 23 00-0005	EA	1	Quart Azure Penstemon	2.20	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon	5.50	
32 93 23 00-0007	EA	1	Quart Balloon Flower	2.20	
32 93 23 00-0008	EA	1	Gallon Balloon Flower	5.50	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan	2.20	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan	5.50	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan	7.11	
32 93 23 00-0012	EA	1	Quart Blackberry Lily	2.20	
32 93 23 00-0013	EA	1	Gallon Blackberry Lily	5.50	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0014	EA	1 Quart Blank Flower	2.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	5.06	
32 93 23 00-0016	EA	2 Gallon Blank Flower	7.11	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	2.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	5.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	3.74	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	6.31	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	2.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	5.50	
32 93 23 00-0023	EA	1 Quart Blue Star	3.96	
32 93 23 00-0024	EA	1 Gallon Blue Star	6.31	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	2.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	5.50	
32 93 23 00-0027	EA	4" Pot Columbine	1.32	
32 93 23 00-0028	EA	1 Quart Columbine	2.20	
32 93 23 00-0029	EA	1 Gallon Columbine	5.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	2.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	5.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	2.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	5.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	7.92	
32 93 23 00-0035	EA	1 Quart Diploid	2.79	
32 93 23 00-0036	EA	1 Gallon Diploid	6.31	
32 93 23 00-0037	EA	3 Gallon Diploid	10.85	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	3.14	
32 93 23 00-0039	EA	1 Quart Evans Begonia	3.96	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	7.11	
32 93 23 00-0041	EA	1 Quart False Dragonhead	2.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	5.50	
32 93 23 00-0043	EA	1 Quart False Spirea	2.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	7.11	
32 93 23 00-0045	EA	3 Gallon False Spirea	9.83	
32 93 23 00-0046	EA	2 Quart False Sunflower	3.52	
32 93 23 00-0047	EA	1 Gallon False Sunflower	5.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	7.11	
32 93 23 00-0049	EA	1 Gallon Foxglove	5.06	
32 93 23 00-0050	EA	2 Gallon Foxglove	7.11	
32 93 23 00-0051	EA	3 Gallon Foxglove	10.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	8.91	
32 93 23 00-0053	EA	1 Quart Garden Phlox	2.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	5.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	4.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	9.46	
32 93 23 00-0057	EA	1 Quart Golden Star	2.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	5.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	2.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod	5.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies	10.24	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	1.32	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	2.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	5.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	1.91	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	3.15	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	5.06	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	7.85	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	12.54	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	16.50	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	1.32	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	3.96	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	7.11	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	0.78	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.17	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	5.05	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	3.15	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	6.31	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	26.14	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	4.33	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	8.21	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	8.33	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	1.32	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	2.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	5.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	2.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	5.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily	4.25	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	6.01	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	9.97	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	18.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	3.96	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	5.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	7.11	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	2.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	5.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow.....	4.33	
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	7.85	
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	13.42	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum.....	8.39	
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	3.74	
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	7.11	
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	9.83	
32 93 23 00-0104	EA	1 Quart Speedwell.....	2.20	
32 93 23 00-0105	EA	1 Gallon Speedwell.....	5.50	
32 93 23 00-0106	EA	1 Quart Tetraploid.....	5.50	
32 93 23 00-0107	EA	1 Gallon Tetraploid.....	10.27	
32 93 23 00-0108	EA	3 Gallon Tetraploid.....	14.01	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis.....	2.20	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis.....	5.50	
32 93 23 00-0111	EA	1 Quart Torch Lily.....	2.20	
32 93 23 00-0112	EA	1 Quart Bluebeard.....	3.96	
32 93 23 00-0113	EA	1 Gallon Bluebeard.....	5.87	
32 93 23 00-0114	EA	2 Gallon Bluebeard.....	8.58	
32 93 23 00-0115		Annuals <small>(32 93 23)</small>		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers.....	1.02	
32 93 23 00-0117	EA	3" Pot Annual Flowers.....	1.38	
32 93 23 00-0118	EA	4" Pot Annual Flowers.....	2.95	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers.....	3.92	
32 93 23 00-0120	EA	6" Pot Annual Flowers.....	7.77	
32 93 23 00-0121	EA	8" Pot Annual Flowers.....	12.95	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers.....	16.96	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers.....	19.23	
32 93 23 00-0124		Bulbs <small>(32 93 23)</small>		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion.....	3.55	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion.....	0.20	
32 93 23 00-0127	LOT	Lot Of 100 Top Size Crocus Hybrid.....	23.21	
32 93 23 00-0128	LOT	Lot Of 100 Top Size Eranthis hyemalis - Winter Aconite.....	30.03	
32 93 23 00-0129	LOT	Lot Of 100 Top Size Galanthus nivalis - Snowdrops.....	38.23	
32 93 23 00-0130	LOT	Lot Of 100 Top Size Iris reticulata cvs - Dutch Iris.....	15.02	
32 93 23 00-0131	LOT	Lot Of 100 Top Size Muscari armeniacum - Grape Hyacinth.....	17.75	
32 93 23 00-0132	LOT	Lot Of 100 Top Size Muscari latifolium - Grape Hyacinth.....	20.48	
32 93 23 00-0133	LOT	Lot Of 50 Narcissus 'Carlton' - Carlton Daffodil DNI.....	61.43	
32 93 23 00-0134	LOT	Lot Of 50 Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	29.35	
32 93 23 00-0135	LOT	Lot Of 50 Narcissus 'February Gold' - February Gold Daffodil DNI.....	30.72	
32 93 23 00-0136	LOT	Lot Of 50 Narcissus 'Ice Follies' - Ice Follies Daffodil DNI.....	30.72	
32 93 23 00-0137	LOT	Lot Of 50 Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	32.08	
32 93 23 00-0138	LOT	Lot Of 50 Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI.....	34.13	
32 93 23 00-0139	LOT	Lot Of 50 Narcissus 'Pipit' - Pipit Daffodil DNI.....	32.08	
32 93 23 00-0140	LOT	Lot Of 50 Narcissus 'Salome' - Salome Daffodil DNI.....	30.03	
32 93 23 00-0141	LOT	Lot Of 50 Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI.....	32.08	
32 93 23 00-0142	LOT	Lot Of 50 Narcissus 'Thalia' - Thalia Daffodil DNI.....	32.08	
32 93 23 00-0143	LOT	Lot Of 100 Top Size Scilla siberica - Siberian Squill.....	19.11	
32 93 23 00-0144	LOT	Lot Of 60 Top Size Tulip 'Angelique' - Angelique Tulip.....	32.77	
32 93 23 00-0145	LOT	Lot Of 60 Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	24.57	
32 93 23 00-0146	LOT	Lot Of 100 Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	54.61	
32 93 23 00-0147	LOT	Lot Of 100 Top Size Tulip 'Big Smile' - Big Smile Tulip.....	47.78	
32 93 23 00-0148	LOT	Lot Of 100 Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	68.26	
32 93 23 00-0149	LOT	Lot Of 100 Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	51.88	
32 93 23 00-0150	LOT	Lot Of 100 Top Size Tulip 'Cardinal' - Cardinal Tulip.....	45.05	
32 93 23 00-0151	LOT	Lot Of 100 Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	50.51	
32 93 23 00-0152	LOT	Lot Of 100 Top Size Tulip clusiana - Species Tulip.....	50.51	
32 93 23 00-0153	LOT	Lot Of 60 Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	30.31	
32 93 23 00-0154	LOT	Lot Of 60 Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	24.57	
32 93 23 00-0155	LOT	Lot Of 60 Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	23.75	
32 93 23 00-0156	LOT	Lot Of 100 Top Size Tulip 'Halcro' - Halcro Tulip.....	40.96	
32 93 23 00-0157	LOT	Lot Of 60 Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip.....	40.96	
32 93 23 00-0158	LOT	Lot Of 60 Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	24.57	
32 93 23 00-0159	LOT	Lot Of 100 Top Size Tulip 'Passionale' - Passionale Tulip.....	54.61	
32 93 23 00-0160	LOT	Lot Of 60 Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	35.22	
32 93 23 00-0161	LOT	Lot Of 100 Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	61.43	
32 93 23 00-0162	LOT	Lot Of 100 Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	49.15	
32 93 23 00-0163	LOT	Lot Of 60 Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	27.85	
32 93 23 00-0164	LOT	Lot Of 60 Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	30.31	
32 93 23 00-0165	LOT	Lot Of 60 Top Size Tulip 'Princeps' - Princeps Tulip.....	30.31	
32 93 23 00-0166	LOT	Lot Of 100 Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	39.59	
32 93 23 00-0167	LOT	Lot Of 100 Top Size Tulip saxatilis - Species Tulip.....	27.30	
32 93 23 00-0168	LOT	Lot Of 100 Top Size Tulip 'Shirley' - Shirley Tulip.....	40.96	
32 93 23 00-0169	LOT	Lot Of 100 Top Size Tulip 'Spring Green' - Spring Green Tulip.....	53.24	
32 93 23 00-0170	LOT	Lot Of 60 Top Size Tulip 'White Emperor' - White Emperor Tulip.....	24.57	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 93 33 Shrubs** (32 93)

Note: (cvs = cultivar) materials only.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia.....	3.30
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia.....	6.72
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia.....	12.90
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	4.67
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	11.54
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	45.81
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	85.85
32 93 33 00-0009	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	125.47
32 93 33 00-0010	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	139.99
32 93 33 00-0011	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	176.97
32 93 33 00-0012	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	196.78
32 93 33 00-0013	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye.....	39.62
32 93 33 00-0014	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye.....	52.83
32 93 33 00-0015	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye.....	66.03
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	4.67
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	11.54
32 93 33 00-0018	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	22.45
32 93 33 00-0019	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	26.41
32 93 33 00-0020	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	31.70
32 93 33 00-0021	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	36.98
32 93 33 00-0022	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	44.90
32 93 33 00-0023	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	21.79
32 93 33 00-0024	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	23.11
32 93 33 00-0025	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	24.43
32 93 33 00-0026	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	27.73
32 93 33 00-0027	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	22.12
32 93 33 00-0028	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	23.44
32 93 33 00-0029	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	24.76
32 93 33 00-0030	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	26.08
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	4.54
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant.....	10.50
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	5.32
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	11.71
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	15.82
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	4.67
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	11.54
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis "Twin Peaks" - Dwarf Coyote Brush.....	4.67
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis "Twin Peaks" - Dwarf Coyote Brush.....	11.54
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	5.68
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	8.30
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry.....	23.69
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry.....	30.08
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry.....	42.14
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberrry.....	5.27
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberrry.....	12.70
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberrry.....	25.33
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberrry.....	32.42
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberrry.....	41.43
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberrry.....	6.81
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberrry.....	13.41
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberrry.....	16.39
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberrry.....	6.46
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberrry.....	18.23
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberrry.....	25.33
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberrry.....	39.09
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	7.38
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	19.79
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	21.07
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	27.10
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	36.11
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	54.20
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	75.27
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood.....	21.07
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood.....	27.10
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood.....	36.11
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood.....	54.20
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars.....	13.87
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars.....	23.11
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	60.75
32 93 33 00-0071	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	33.02
32 93 33 00-0072	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	44.90
32 93 33 00-0073	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	60.75
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	4.19
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	12.89
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	41.89
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub.....	21.79



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 33 00-0078	EA	30" B&B Calycanthus floridus - Common Sweetshrub		19.81	
32 93 33 00-0079	EA	36" B&B Calycanthus floridus - Common Sweetshrub		26.41	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia		5.32	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia		11.35	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia		18.87	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia		28.10	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia		72.90	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia		5.32	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia		11.35	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia		18.87	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea		21.79	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus		5.27	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus		13.70	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet		21.79	
32 93 33 00-0092	EA	36" B&B Celastrus scandens - Bittersweet		18.49	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush		21.79	
32 93 33 00-0094	EA	24" B&B Cephalanthus occidentalis - Buttonbush		16.51	
32 93 33 00-0095	EA	30" B&B Cephalanthus occidentalis - Buttonbush		18.49	
32 93 33 00-0096	EA	36" B&B Cephalanthus occidentalis - Buttonbush		19.81	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince		19.01	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince		25.33	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince		39.09	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose		4.67	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose		11.54	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra		21.13	
32 93 33 00-0103	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra		22.78	
32 93 33 00-0104	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra		25.42	
32 93 33 00-0105	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra		26.74	
32 93 33 00-0106	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra		31.37	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush		4.67	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush		11.54	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush		54.04	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry		30.08	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry		37.60	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry		48.17	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry		66.19	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood		19.81	
32 93 33 00-0115	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood		13.87	
32 93 33 00-0116	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood		15.85	
32 93 33 00-0117	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood		19.81	
32 93 33 00-0118	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood		23.77	
32 93 33 00-0119	EA	36" B&B Cornus amomum - Silky Dogwood		19.81	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood		21.79	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood		21.79	
32 93 33 00-0122	EA	36" B&B Cornus racemosa - Gray Dogwood		19.81	
32 93 33 00-0123	EA	48" B&B Cornus racemosa - Gray Dogwood		23.11	
32 93 33 00-0124	EA	60" B&B Cornus racemosa - Gray Dogwood		25.09	
32 93 33 00-0125	EA	72" B&B Cornus racemosa - Gray Dogwood		30.38	
32 93 33 00-0126	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood		21.46	
32 93 33 00-0127	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood		24.10	
32 93 33 00-0128	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood		27.40	
32 93 33 00-0129	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood		17.17	
32 93 33 00-0130	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood		19.81	
32 93 33 00-0131	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood		21.13	
32 93 33 00-0132	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood		23.11	
32 93 33 00-0133	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood		25.75	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert		20.47	
32 93 33 00-0135	EA	30" B&B Corylus americana - American Filbert		23.11	
32 93 33 00-0136	EA	36" B&B Corylus americana - American Filbert		24.76	
32 93 33 00-0137	EA	48" B&B Corylus americana - American Filbert		26.74	
32 93 33 00-0138	EA	24" B&B Corylus avellana - Contorted Hazelnut		66.03	
32 93 33 00-0139	EA	30" B&B Corylus avellana - Contorted Hazelnut		85.85	
32 93 33 00-0140	EA	36" B&B Corylus avellana - Contorted Hazelnut		92.45	
32 93 33 00-0141	EA	42" B&B Corylus avellana - Contorted Hazelnut		118.86	
32 93 33 00-0142	EA	48" B&B Corylus avellana - Contorted Hazelnut		145.28	
32 93 33 00-0143	EA	60" B&B Corylus avellana - Contorted Hazelnut		165.09	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree		63.21	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree		94.78	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree		142.94	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster		16.51	
32 93 33 00-0148	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster		16.51	
32 93 33 00-0149	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster		17.17	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster		15.82	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster		17.17	
32 93 33 00-0152	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster		16.51	
32 93 33 00-0153	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster		17.17	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster		6.81	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster		21.07	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster		28.45	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster		48.17	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster		4.67	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	11.54	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	6.81	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.41	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	4.67	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	11.54	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	45.81	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	10.74	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	26.86	
32 93 33 00-0167	EA	18" B&B Deutzia gracilis - Slender Deutzia	16.84	
32 93 33 00-0168	EA	24" B&B Deutzia gracilis - Slender Deutzia	18.49	
32 93 33 00-0169	EA	30" B&B Deutzia gracilis - Slender Deutzia	23.77	
32 93 33 00-0170	EA	36" B&B Deutzia gracilis - Slender Deutzia	27.73	
32 93 33 00-0171	EA	42" B&B Deutzia gracilis - Slender Deutzia	31.70	
32 93 33 00-0172	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	26.41	
32 93 33 00-0173	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	31.70	
32 93 33 00-0174	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	36.98	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	9.91	
32 93 33 00-0176	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	23.77	
32 93 33 00-0177	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	31.70	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	11.54	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	4.67	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	11.54	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	45.81	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	4.67	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	11.54	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	45.81	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	19.72	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	27.10	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	32.42	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustifolia - Russian Olive	31.57	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	4.67	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	11.54	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	45.81	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	5.68	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	11.92	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	16.39	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	4.84	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	13.97	
32 93 33 00-0197	EA	24" B&B Euonymus alatus - Winged Euonymus	18.83	
32 93 33 00-0198	EA	30" B&B Euonymus alatus - Winged Euonymus	23.54	
32 93 33 00-0199	EA	36" B&B Euonymus alatus - Winged Euonymus	32.35	
32 93 33 00-0200	EA	42" B&B Euonymus alatus - Winged Euonymus	39.94	
32 93 33 00-0201	EA	48" B&B Euonymus alatus - Winged Euonymus	47.08	
32 93 33 00-0202	EA	54" B&B Euonymus alatus - Winged Euonymus	60.75	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	17.47	
32 93 33 00-0204	EA	60" B&B Euonymus alatus - Winged Euonymus	75.94	
32 93 33 00-0205	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	29.72	
32 93 33 00-0206	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	35.33	
32 93 33 00-0207	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	46.22	
32 93 33 00-0208	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	55.47	
32 93 33 00-0209	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	68.68	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	21.07	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	24.83	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	33.91	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	40.65	
32 93 33 00-0214	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	51.15	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	72.22	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	90.31	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	105.35	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	21.07	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	24.05	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	29.37	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	41.43	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	48.95	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	58.67	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	82.79	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	97.83	
32 93 33 00-0226	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	17.83	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	6.81	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	13.41	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	16.39	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	19.44	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	4.67	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	11.54	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	45.81	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	15.04	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	19.01	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	23.69	
32 93 33 00-0237	EA	30" B&B Forsythia cvs - Forsythia cultivars	15.19	
32 93 33 00-0238	EA	36" B&B Forsythia cvs - Forsythia cultivars	16.84	
32 93 33 00-0239	EA	48" B&B Forsythia cvs - Forsythia cultivars	18.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0240	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia.....	15.85	
32 93 33 00-0241	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia.....	21.13	
32 93 33 00-0242	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	15.85	
32 93 33 00-0243	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	18.49	
32 93 33 00-0244	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	21.79	
32 93 33 00-0245	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	25.09	
32 93 33 00-0246	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	29.06	
32 93 33 00-0247	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	22.45	
32 93 33 00-0248	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	31.37	
32 93 33 00-0249	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	33.02	
32 93 33 00-0250	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	34.34	
32 93 33 00-0251	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	36.98	
32 93 33 00-0252	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	44.90	
32 93 33 00-0253	EA	24"	B&B Fothergilla major - Large Fothergilla.....	58.11	
32 93 33 00-0254	EA	30"	B&B Fothergilla major - Large Fothergilla.....	66.03	
32 93 33 00-0255	EA	1	Gallon Gardenia jasminoides - Cape Jasmine.....	4.90	
32 93 33 00-0256	EA	3	Gallon Gardenia jasminoides - Cape Jasmine.....	12.84	
32 93 33 00-0257	EA	5	Gallon Gardenia jasminoides - Cape Jasmine.....	16.39	
32 93 33 00-0258	EA	1	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	4.67	
32 93 33 00-0259	EA	5	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	11.54	
32 93 33 00-0260	EA	15	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	45.81	
32 93 33 00-0261	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	46.22	
32 93 33 00-0262	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	75.28	
32 93 33 00-0263	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	95.09	
32 93 33 00-0264	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	145.28	
32 93 33 00-0265	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	165.09	
32 93 33 00-0266	EA	1	Gallon Hedychium gartdnerum - Variegated Ginger.....	2.81	
32 93 33 00-0267	EA	3	Gallon Hedychium gartdnerum - Variegated Ginger.....	9.87	
32 93 33 00-0268	EA	5	Gallon Hedychium gartdnerum - Variegated Ginger.....	18.98	
32 93 33 00-0269	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus.....	7.20	
32 93 33 00-0270	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus.....	12.15	
32 93 33 00-0271	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus.....	18.38	
32 93 33 00-0272	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon.....	19.01	
32 93 33 00-0273	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon.....	16.17	
32 93 33 00-0274	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon.....	21.85	
32 93 33 00-0275	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon.....	31.57	
32 93 33 00-0276	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon.....	43.63	
32 93 33 00-0277	EA	2	Gallon Hydrangea - Blue Hydrangea.....	13.41	
32 93 33 00-0278	EA	5	Gallon Hydrangea - Blue Hydrangea.....	18.87	
32 93 33 00-0279	EA	2'	To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	21.07	
32 93 33 00-0280	EA	3'	To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	24.05	
32 93 33 00-0281	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	13.41	
32 93 33 00-0282	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	23.11	
32 93 33 00-0283	EA	30"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	25.09	
32 93 33 00-0284	EA	36"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	29.06	
32 93 33 00-0285	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	30.38	
32 93 33 00-0286	EA	18"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	23.77	
32 93 33 00-0287	EA	24"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	31.70	
32 93 33 00-0288	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	13.87	
32 93 33 00-0289	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	16.51	
32 93 33 00-0290	EA	18"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	14.20	
32 93 33 00-0291	EA	24"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	15.19	
32 93 33 00-0292	EA	30"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	17.17	
32 93 33 00-0293	EA	36"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	19.81	
32 93 33 00-0294	EA	48"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	26.41	
32 93 33 00-0295	EA	18"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	19.15	
32 93 33 00-0296	EA	24"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	21.79	
32 93 33 00-0297	EA	30"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	25.75	
32 93 33 00-0298	EA	2	Gallon Hypericum kalmianum - St. John's Wort.....	13.41	
32 93 33 00-0299	EA	3	Gallon Hypericum kalmianum - Kalm St. John's Wort.....	15.85	
32 93 33 00-0300	EA	24"	B&B Hypericum kalmianum - Kalm St. John's Wort.....	17.17	
32 93 33 00-0301	EA	1	Gallon Ilex "Carissa" - Holly.....	6.81	
32 93 33 00-0302	EA	2	Gallon Ilex "Carissa" - Holly.....	13.41	
32 93 33 00-0303	EA	5	Gallon Ilex "Carissa" - Holly.....	18.87	
32 93 33 00-0304	EA	18"	To 24" Ilex - Gulfside Sweet Holly.....	18.09	
32 93 33 00-0305	EA	2'	To 2-1/2' Ilex - Gulfside Sweet Holly.....	22.91	
32 93 33 00-0306	EA	2-1/2'	To 3' Ilex - Gulfside Sweet Holly.....	29.72	
32 93 33 00-0307	EA	3'	To 3-1/2' Ilex - Gulfside Sweet Holly.....	36.11	
32 93 33 00-0308	EA	3	Gallon Ilex cornuta - Dwarf Horned Holly.....	13.51	
32 93 33 00-0309	EA	1	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	6.81	
32 93 33 00-0310	EA	2	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	13.41	
32 93 33 00-0311	EA	5	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	19.44	
32 93 33 00-0312	EA	1	Gallon Ilex crenata - Hellers Japanese Holly.....	6.81	
32 93 33 00-0313	EA	2	Gallon Ilex crenata - Hellers Japanese Holly.....	14.90	
32 93 33 00-0314	EA	3	Gallon Ilex crenata - Hellers Japanese Holly.....	19.44	
32 93 33 00-0315	EA	2	Gallon Ilex crenata - Hetzi Japanese Holly.....	14.90	
32 93 33 00-0316	EA	3	Gallon Ilex crenata - Hetzi Japanese Holly.....	17.95	
32 93 33 00-0317	EA	2'	To 3' Ilex crenata - Hetzi Japanese Holly.....	36.11	
32 93 33 00-0318	EA	3'	To 4' Ilex crenata - Hetzi Japanese Holly.....	48.17	
32 93 33 00-0319	EA	2'	To 3' Ilex opaca - American Holly.....	48.17	
32 93 33 00-0320	EA	3'	To 4' Ilex opaca - American Holly.....	79.74	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0337	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0338	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0340	EA	18" B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0341	EA	24" B&B Ilex meserveae & cvs - Blue Holly	29.72	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0343	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0344	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0345	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0346	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0347	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0348	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0353	EA	1 Gallon Jasminum - Jasmine	1.75	
32 93 33 00-0354	EA	3 Gallon Jasminum - Jasmine	6.83	
32 93 33 00-0355	EA	3 Gallon Jasminum - Orange Jasmine	5.32	
32 93 33 00-0356	EA	4' - 5' Jasminum - Orange Jasmine	60.75	
32 93 33 00-0357	EA	6' - 7' Jasminum - Orange Jasmine	121.50	
32 93 33 00-0358	EA	8' - 10' Jasminum - Orange Jasmine	164.03	
32 93 33 00-0359	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	23.11	
32 93 33 00-0360	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	25.75	
32 93 33 00-0361	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper	34.34	
32 93 33 00-0362	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper	44.90	
32 93 33 00-0363	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper	52.83	
32 93 33 00-0364	EA	36" B&B Juniperus chinensis cvs - Chinese Juniper	71.32	
32 93 33 00-0365	EA	48" B&B Juniperus chinensis cvs - Chinese Juniper	97.73	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0369	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0370	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0371	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0372	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0374	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0375	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0376	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0377	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	16.51	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0381	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0382	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	
32 93 33 00-0383	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71	
32 93 33 00-0384	EA	15' To 18" Kalmia latifolia - Mountain Laurel	27.10	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	36.11	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	52.64	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	96.26	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	147.48	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	225.73	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	6.03	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	18.87	
32 93 33 00-0392	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15	
32 93 33 00-0393	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79	
32 93 33 00-0394	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77	
32 93 33 00-0395	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73	
32 93 33 00-0396	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70	
32 93 33 00-0397	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle	4.54	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle	16.17	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0402	EA	5'	To 6' Lagerstroemia indica - Crepe Myrtle	52.64	
32 93 33 00-0403	EA	7'	To 8' Lagerstroemia indica - Crepe Myrtle	68.35	
32 93 33 00-0404	EA	9'	To 10' Lagerstroemia indica - Crepe Myrtle.....	91.13	
32 93 33 00-0405	EA	11'	To 12' Lagerstroemia indica - Crepe Myrtle.....	189.85	
32 93 33 00-0406	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe.....	6.81	
32 93 33 00-0407	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe.....	14.90	
32 93 33 00-0408	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe.....	17.95	
32 93 33 00-0409	EA	1	Gallon Ligustrum lucidum - Glossy Privet.....	4.19	
32 93 33 00-0410	EA	5	Gallon Ligustrum lucidum - Glossy Privet.....	12.84	
32 93 33 00-0411	EA	15	Gallon Ligustrum lucidum - Glossy Privet.....	60.16	
32 93 33 00-0412	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet.....	4.19	
32 93 33 00-0413	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet.....	9.01	
32 93 33 00-0414	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet.....	11.71	
32 93 33 00-0415	EA	36"	B&B Ligustrum vulgare & cvs - Common Privet	19.81	
32 93 33 00-0416	EA	48"	B&B Ligustrum vulgare & cvs - Common Privet	29.06	
32 93 33 00-0417	EA	60"	B&B Ligustrum vulgare & cvs - Common Privet	36.98	
32 93 33 00-0418	EA	72"	B&B Ligustrum vulgare & cvs - Common Privet	42.26	
32 93 33 00-0419	EA	5	Gallon Lindera benzoin - Spicebush	21.79	
32 93 33 00-0420	EA	36"	B&B Lindera benzoin - Spicebush	18.49	
32 93 33 00-0421	EA	48"	B&B Lindera benzoin - Spicebush	22.45	
32 93 33 00-0422	EA	2'	To 3' Lonicera fragrantissima - Winter Honeysuckle.....	36.11	
32 93 33 00-0423	EA	3'	To 4' Lonicera fragrantissima - Winter Honeysuckle.....	43.63	
32 93 33 00-0424	EA	30"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	19.81	
32 93 33 00-0425	EA	36"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	23.77	
32 93 33 00-0426	EA	42"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	26.41	
32 93 33 00-0427	EA	48"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	29.06	
32 93 33 00-0428	EA	1	Gallon Myrica cerifera - Wax Myrtle	3.80	
32 93 33 00-0429	EA	4	Gallon Myrica cerifera - Wax Myrtle	12.15	
32 93 33 00-0430	EA	7	Gallon Myrica cerifera - Wax Myrtle	26.58	
32 93 33 00-0431	EA	10	Gallon Myrica cerifera - Wax Myrtle	39.49	
32 93 33 00-0432	EA	15	Gallon Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0433	EA	45	Gallon Myrica cerifera - Wax Myrtle.....	182.26	
32 93 33 00-0434	EA	1'	- 2' Myrica cerifera - Wax Myrtle.....	5.32	
32 93 33 00-0435	EA	3'	- 4' Myrica cerifera - Wax Myrtle.....	18.23	
32 93 33 00-0436	EA	5'	- 6' Myrica cerifera - Wax Myrtle.....	33.41	
32 93 33 00-0437	EA	7'	- 8' Myrica cerifera - Wax Myrtle.....	45.56	
32 93 33 00-0438	EA	9'	- 10' Myrica cerifera - Wax Myrtle.....	60.75	
32 93 33 00-0439	EA	11'	- 12' Myrica cerifera - Wax Myrtle.....	92.65	
32 93 33 00-0440	EA	3	Gallon Myrica pensylvanica - Northern Bayberry.....	19.81	
32 93 33 00-0441	EA	24"	B&B Myrica pensylvanica - Northern Bayberry.....	32.36	
32 93 33 00-0442	EA	30"	B&B Myrica pensylvanica - Northern Bayberry.....	47.54	
32 93 33 00-0443	EA	36"	B&B Myrica pensylvanica - Northern Bayberry.....	56.79	
32 93 33 00-0444	EA	48"	B&B Myrica pensylvanica - Northern Bayberry.....	59.43	
32 93 33 00-0445	EA	1	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	4.67	
32 93 33 00-0446	EA	5	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	11.54	
32 93 33 00-0447	EA	15	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	45.81	
32 93 33 00-0448	EA	1	Gallon Nandina domestica - Heavenly Bamboo.....	6.81	
32 93 33 00-0449	EA	2	Gallon Nandina domestica - Heavenly Bamboo.....	14.90	
32 93 33 00-0450	EA	5	Gallon Nandina domestica - Heavenly Bamboo.....	22.56	
32 93 33 00-0451	EA	15	Gallon Nerium oleander - Oleander	50.13	
32 93 33 00-0452	EA	24"	Box Nerium oleander - Oleander	180.15	
32 93 33 00-0453	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19	
32 93 33 00-0454	EA	3	Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35	
32 93 33 00-0455	EA	1	Gallon Philadelphus - Evergreen Mockorange.....	5.82	
32 93 33 00-0456	EA	5	Gallon Philadelphus - Evergreen Mockorange.....	18.87	
32 93 33 00-0457	EA	36"	B&B Philadelphus x virginialis & cvs - Mockorange.....	19.81	
32 93 33 00-0458	EA	42"	B&B Philadelphus x virginialis & cvs - Mockorange.....	23.11	
32 93 33 00-0459	EA	48"	B&B Philadelphus x virginialis & cvs - Mockorange.....	26.41	
32 93 33 00-0460	EA	1	Gallon Photinia fraseri - Red-Tipped Photinia.....	4.67	
32 93 33 00-0461	EA	5	Gallon Photinia fraseri - Red-Tipped Photinia.....	11.54	
32 93 33 00-0462	EA	15	Gallon Photinia fraseri - Red-Tipped Photinia.....	45.81	
32 93 33 00-0463	EA	1	Gallon Phormium tenax - New Zealand Flax	4.92	
32 93 33 00-0464	EA	5	Gallon Phormium tenax - New Zealand Flax	11.79	
32 93 33 00-0465	EA	15	Gallon Phormium tenax - New Zealand Flax	50.13	
32 93 33 00-0466	EA	24"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	19.81	
32 93 33 00-0467	EA	30"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	23.11	
32 93 33 00-0468	EA	36"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	26.41	
32 93 33 00-0469	EA	42"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	33.02	
32 93 33 00-0470	EA	48"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	39.62	
32 93 33 00-0471	EA	12"	To 15" Spread Pieris - Mountain Andromeda.....	18.23	
32 93 33 00-0472	EA	15"	To 18" Spread Pieris - Mountain Andromeda.....	39.09	
32 93 33 00-0473	EA	12"	To 15" Pieris japonica - Japanese Andromeda.....	23.69	
32 93 33 00-0474	EA	15"	To 18" Pieris japonica - Japanese Andromeda.....	27.10	
32 93 33 00-0475	EA	18"	To 24" Pieris japonica - Japanese Andromeda.....	33.91	
32 93 33 00-0476	EA	2'	To 2-1/2' Pieris japonica - Japanese Andromeda.....	48.17	
32 93 33 00-0477	EA	2-1/2'	To 3' Pieris japonica - Japanese Andromeda.....	57.18	
32 93 33 00-0478	EA	24"	B&B Pinus mugo & cvs - Mugo Pine.....	33.02	
32 93 33 00-0479	EA	30"	B&B Pinus mugo & cvs - Mugo Pine.....	42.26	
32 93 33 00-0480	EA	36"	B&B Pinus mugo & cvs - Mugo Pine.....	50.85	
32 93 33 00-0481	EA	48"	B&B Pinus mugo & cvs - Mugo Pine.....	65.37	
32 93 33 00-0482	EA	60"	B&B Pinus mugo & cvs - Mugo Pine.....	78.58	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0483	EA	72" B&B Pinus mugo & cvs - Mugo Pine.....	114.90	
32 93 33 00-0484	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	71.32	
32 93 33 00-0485	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	85.85	
32 93 33 00-0486	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	114.24	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	2.51	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	6.45	
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	2.51	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	6.45	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	11.32	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugeniooides - Lemonwood.....	5.36	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugeniooides - Lemonwood.....	12.70	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum.....	4.67	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum.....	11.54	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum.....	45.81	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	11.23	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	15.85	
32 93 33 00-0499	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	11.89	
32 93 33 00-0500	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	13.21	
32 93 33 00-0501	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	19.15	
32 93 33 00-0502	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	22.12	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.54	
32 93 33 00-0504	EA	3 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	11.35	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	67.68	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel.....	17.31	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel.....	21.42	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel.....	27.88	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	15.46	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	19.79	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond.....	31.57	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond.....	63.21	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond.....	19.01	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond.....	21.35	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond.....	24.83	
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	16.88	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	20.71	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	24.83	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	28.45	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate.....	4.47	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate.....	13.20	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate.....	27.10	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha.....	5.68	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha.....	18.87	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumii "Santa Cruz" - Pyracantha.....	39.09	
32 93 33 00-0526	EA	1 Gallon Ralphialepis indica - Indian Hawthorne.....	4.54	
32 93 33 00-0527	EA	2 Gallon Ralphialepis indica - Indian Hawthorne.....	8.65	
32 93 33 00-0528	EA	5 Gallon Ralphialepis indica - Indian Hawthorne.....	15.39	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	6.90	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	19.73	
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	59.22	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	34.62	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	47.46	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	61.72	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	112.86	
32 93 33 00-0536	EA	1 Gallon Rhamphiolepis indica "Ballerina" - Ballerina Indian Hawthorn	4.97	
32 93 33 00-0537	EA	5 Gallon Rhamphiolepis indica "Ballerina" - Ballerina Indian Hawthorn	11.79	
32 93 33 00-0538	EA	15 Gallon Rhamphiolepis indica "Ballerina" - Ballerina Indian Hawthorn	50.13	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	7.38	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	14.90	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	19.44	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	22.56	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	26.39	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	33.13	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	48.17	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	67.68	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	8.30	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	14.90	
32 93 33 00-0549	EA	15" To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	25.61	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	33.13	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.17	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	70.73	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	94.78	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara.....	18.87	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara.....	67.68	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron.....	21.35	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron.....	37.60	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron.....	55.69	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea	25.33	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea	33.13	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea	43.63	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea.....	25.33	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea.....	31.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0564	EA		2' To 3' Rhododendron - Ghent Azalea.....	51.15	
32 93 33 00-0565	EA		3' To 4' Rhododendron - Ghent Azalea.....	70.73	
32 93 33 00-0566	EA		4' To 5' Rhododendron - Ghent Azalea.....	94.78	
32 93 33 00-0567	EA		5' To 6' Rhododendron - Ghent Azalea.....	126.41	
32 93 33 00-0568	EA		1 Gallon Rhododendron - Hybrid Rhododendron.....	8.30	
32 93 33 00-0569	EA		2 Gallon Rhododendron - Hybrid Rhododendron.....	17.95	
32 93 33 00-0570	EA		3 Gallon Rhododendron - Hybrid Rhododendron.....	25.47	
32 93 33 00-0571	EA		5 Gallon Rhododendron - Hybrid Rhododendron.....	28.45	
32 93 33 00-0572	EA		15" To 18" Rhododendron - Hybrid Rhododendron.....	24.05	
32 93 33 00-0573	EA		18" To 24" Rhododendron - Hybrid Rhododendron.....	33.13	
32 93 33 00-0574	EA		24" To 30" Rhododendron - Hybrid Rhododendron.....	45.12	
32 93 33 00-0575	EA		30" To 36" Rhododendron - Hybrid Rhododendron.....	52.64	
32 93 33 00-0576	EA		36" To 42" Rhododendron - Hybrid Rhododendron.....	75.27	
32 93 33 00-0577	EA		42" To 48" Rhododendron - Hybrid Rhododendron.....	93.29	
32 93 33 00-0578	EA		15" To 18" Rhododendron - Pjm Rhododendron.....	27.10	
32 93 33 00-0579	EA		18" To 24" Rhododendron - Pjm Rhododendron.....	33.13	
32 93 33 00-0580	EA		2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	48.17	
32 93 33 00-0581	EA		2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	61.72	
32 93 33 00-0582	EA		3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	75.27	
32 93 33 00-0583	EA		12" To 15" Rhododendron - Torch Azalea.....	21.07	
32 93 33 00-0584	EA		15" To 18" Rhododendron - Torch Azalea.....	25.33	
32 93 33 00-0585	EA		18" To 24" Rhododendron - Torch Azalea.....	31.57	
32 93 33 00-0586	EA		2' To 3' Rhododendron - Torch Azalea.....	52.64	
32 93 33 00-0587	EA		3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	23.77	
32 93 33 00-0588	EA		5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	29.06	
32 93 33 00-0589	EA		18" B&B Rhododendron cvs - Lepidote Rhododendron.....	35.66	
32 93 33 00-0590	EA		24" B&B Rhododendron cvs - Lepidote Rhododendron.....	44.90	
32 93 33 00-0591	EA		30" B&B Rhododendron cvs - Lepidote Rhododendron.....	52.83	
32 93 33 00-0592	EA		36" B&B Rhododendron cvs - Lepidote Rhododendron.....	63.39	
32 93 33 00-0593	EA		1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	6.81	
32 93 33 00-0594	EA		5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	18.87	
32 93 33 00-0595	EA		2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	15.85	
32 93 33 00-0596	EA		5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	21.79	
32 93 33 00-0597	EA		18" B&B Rhus aromatica & cvs - Fragrant Sumac.....	25.09	
32 93 33 00-0598	EA		24" B&B Rhus aromatica & cvs - Fragrant Sumac.....	33.02	
32 93 33 00-0599	EA		36" B&B Rhus glabra - Smooth Sumac.....	19.81	
32 93 33 00-0600	EA		48" B&B Rhus typhina & cvs - Staghorn Sumac.....	33.02	
32 93 33 00-0601	EA		72" B&B Rhus typhina & cvs - Staghorn Sumac.....	52.83	
32 93 33 00-0602	EA		15" B&B Ribes alpinum & cvs - Alpine Currant.....	17.83	
32 93 33 00-0603	EA		18" B&B Ribes alpinum & cvs - Alpine Currant.....	20.47	
32 93 33 00-0604	EA		24" B&B Ribes alpinum & cvs - Alpine Currant.....	29.72	
32 93 33 00-0605	EA		30" B&B Ribes alpinum & cvs - Alpine Currant.....	39.62	
32 93 33 00-0606	EA		1 Gallon Rosa hybrids & cvs - Shrub Rose.....	10.90	
32 93 33 00-0607	EA		2 Gallon Rosa hybrids & cvs - Shrub Rose.....	13.21	
32 93 33 00-0608	EA		3 Gallon Rosa hybrids & cvs - Shrub Rose.....	16.51	
32 93 33 00-0609	EA		2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	11.89	
32 93 33 00-0610	EA		3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	15.19	
32 93 33 00-0611	EA		5 Gallon Sambucus canadensis - American Elder.....	21.79	
32 93 33 00-0612	EA		1 Gallon Santolina chamaecyparissus - Lavender Cotton.....	4.67	
32 93 33 00-0613	EA		5 Gallon Santolina chamaecyparissus - Lavender Cotton.....	11.54	
32 93 33 00-0614	EA		1 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	4.67	
32 93 33 00-0615	EA		5 Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	11.54	
32 93 33 00-0616	EA		2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	9.79	
32 93 33 00-0617	EA		3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	14.33	
32 93 33 00-0618	EA		1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	5.32	
32 93 33 00-0619	EA		5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	13.90	
32 93 33 00-0620	EA		5 Gallon Senna artemisioides - Feathery Cassia.....	12.89	
32 93 33 00-0621	EA		15 Gallon Senna artemisioides - Feathery Cassia.....	51.29	
32 93 33 00-0622	EA		24" Box Senna artemisioides - Feathery Cassia.....	161.13	
32 93 33 00-0623	EA		1 Gallon Skimmia japonica - Japanese Skimmia.....	6.81	
32 93 33 00-0624	EA		2 Gallon Skimmia japonica - Japanese Skimmia.....	13.55	
32 93 33 00-0625	EA		5 Gallon Skimmia japonica - Japanese Skimmia.....	21.85	
32 93 33 00-0626	EA		1 Gallon Sollya fusiformis - Bluebell Creeper.....	4.67	
32 93 33 00-0627	EA		5 Gallon Sollya fusiformis - Bluebell Creeper.....	11.54	
32 93 33 00-0628	EA		3' To 4' Spiraea - Garland Spiraea.....	31.57	
32 93 33 00-0629	EA		4' To 5' Spiraea - Garland Spiraea.....	48.17	
32 93 33 00-0630	EA		5 Gallon Spiraea - Snowmound Spiraea.....	18.87	
32 93 33 00-0631	EA		18" To 24" Spiraea - Snowmound Spiraea.....	15.46	
32 93 33 00-0632	EA		2' To 3' Spiraea - Snowmound Spiraea.....	21.85	
32 93 33 00-0633	EA		3' To 4' Spiraea - Snowmound Spiraea.....	25.33	
32 93 33 00-0634	EA		4' To 5' Spiraea - Snowmound Spiraea.....	43.63	
32 93 33 00-0635	EA		1 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	6.81	
32 93 33 00-0636	EA		2 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	13.41	
32 93 33 00-0637	EA		3 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	15.52	
32 93 33 00-0638	EA		5 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	16.84	
32 93 33 00-0639	EA		18" B&B Spiraea japonica & cvs - Japanese Spiraea.....	17.17	
32 93 33 00-0640	EA		24" B&B Spiraea japonica & cvs - Japanese Spiraea.....	19.81	
32 93 33 00-0641	EA		30" B&B Spiraea japonica & cvs - Japanese Spiraea.....	22.45	
32 93 33 00-0642	EA		36" B&B Spiraea japonica & cvs - Japanese Spiraea.....	26.08	
32 93 33 00-0643	EA		2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	10.57	
32 93 33 00-0644	EA		5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	15.85	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0645	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	14.53
32 93 33 00-0646	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	17.17
32 93 33 00-0647	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	19.81
32 93 33 00-0648	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	22.45
32 93 33 00-0649	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	29.06
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	6.81
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.22
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	15.85
32 93 33 00-0653	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	13.87
32 93 33 00-0654	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	16.84
32 93 33 00-0655	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	19.81
32 93 33 00-0656	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	22.45
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85
32 93 33 00-0658	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85
32 93 33 00-0659	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49
32 93 33 00-0660	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09
32 93 33 00-0661	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06
32 93 33 00-0662	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladderhut	22.29
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17
32 93 33 00-0666	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81
32 93 33 00-0667	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	16.51
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	17.50
32 93 33 00-0670	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	29.06
32 93 33 00-0671	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32
32 93 33 00-0672	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26
32 93 33 00-0673	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87
32 93 33 00-0674	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06
32 93 33 00-0675	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70
32 93 33 00-0676	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32
32 93 33 00-0677	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26
32 93 33 00-0678	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87
32 93 33 00-0679	EA	60" B&B Syringa villosa & cvs - Late Lilac	23.11
32 93 33 00-0680	EA	72" B&B Syringa villosa & cvs - Late Lilac	25.09
32 93 33 00-0681	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	19.81
32 93 33 00-0682	EA	42" B&B Syringa vulgaris & cvs - Common Lilac	22.45
32 93 33 00-0683	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	25.09
32 93 33 00-0684	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	29.06
32 93 33 00-0685	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	35.66
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51
32 93 33 00-0687	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15
32 93 33 00-0688	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09
32 93 33 00-0689	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00
32 93 33 00-0690	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54
32 93 33 00-0691	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43
32 93 33 00-0692	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84
32 93 33 00-0693	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73
32 93 33 00-0694	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32
32 93 33 00-0695	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26
32 93 33 00-0696	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22
32 93 33 00-0697	EA	15" B&B Taxus x media & cvs - Anglojap Yew	27.73
32 93 33 00-0698	EA	18" B&B Taxus x media & cvs - Anglojap Yew	36.32
32 93 33 00-0699	EA	24" B&B Taxus x media & cvs - Anglojap Yew	42.92
32 93 33 00-0700	EA	30" B&B Taxus x media & cvs - Anglojap Yew	50.85
32 93 33 00-0701	EA	36" B&B Taxus x media & cvs - Anglojap Yew	76.60
32 93 33 00-0702	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26
32 93 33 00-0703	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79
32 93 33 00-0704	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85
32 93 33 00-0705	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47
32 93 33 00-0706	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96
32 93 33 00-0707	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07
32 93 33 00-0708	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49
32 93 33 00-0709	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75
32 93 33 00-0710	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	31.57
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	48.17
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	63.21
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	3.83
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	10.50
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	18.87
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	70.73
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98
32 93 33 00-0721	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32
32 93 33 00-0722	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58
32 93 33 00-0723	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02
32 93 33 00-0724	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62
32 93 33 00-0725	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22



Exterior Improvements 32

Planting 32 90

Plants 32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0726	EA		42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0727	EA		1 Gallon Viburnum davidii - David Viburnum	4.67	
32 93 33 00-0728	EA		5 Gallon Viburnum davidii - David Viburnum	11.54	
32 93 33 00-0729	EA		36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0730	EA		42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0731	EA		48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0732	EA		60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0733	EA		72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	
32 93 33 00-0734	EA		30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83	
32 93 33 00-0735	EA		36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81	
32 93 33 00-0736	EA		42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09	
32 93 33 00-0737	EA		48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06	
32 93 33 00-0738	EA		60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62	
32 93 33 00-0739	EA		72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54	
32 93 33 00-0740	EA		36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81	
32 93 33 00-0741	EA		48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41	
32 93 33 00-0742	EA		5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0743	EA		6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0744	EA		7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0745	EA		8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0746	EA		9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0747	EA		30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0748	EA		36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	
32 93 33 00-0749	EA		36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54	
32 93 33 00-0750	EA		48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64	
32 93 33 00-0751	EA		60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45	
32 93 33 00-0752	EA		72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26	
32 93 33 00-0753	EA		84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67	
32 93 33 00-0754	EA		96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09	
32 93 33 00-0755	EA		108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10	
32 93 33 00-0756	EA		120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12	
32 93 33 00-0757	EA		30" B&B Viburnum sargentii & cvs - Sargent Viburnum	20.14	
32 93 33 00-0758	EA		36" B&B Viburnum sargentii & cvs - Sargent Viburnum	22.12	
32 93 33 00-0759	EA		48" B&B Viburnum sargentii & cvs - Sargent Viburnum	25.09	
32 93 33 00-0760	EA		60" B&B Viburnum sargentii & cvs - Sargent Viburnum	29.06	
32 93 33 00-0761	EA		72" B&B Viburnum sargentii & cvs - Sargent Viburnum	33.35	
32 93 33 00-0762	EA		18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15	
32 93 33 00-0763	EA		24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11	
32 93 33 00-0764	EA		30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73	
32 93 33 00-0765	EA		36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70	
32 93 33 00-0766	EA		42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30	
32 93 33 00-0767	EA		48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26	
32 93 33 00-0768	EA		30" B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	33.02	
32 93 33 00-0769	EA		36" B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	39.62	
32 93 33 00-0770	EA		42" B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	46.22	
32 93 33 00-0771	EA		48" B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	52.83	
32 93 33 00-0772	EA		60" B&B Viburnum x carcephalum & cvs - Fragrant Viburnum	59.43	
32 93 33 00-0773	EA		30" B&B Viburnum x juddii & cvs - Judd Viburnum	42.26	
32 93 33 00-0774	EA		36" B&B Viburnum x juddii & cvs - Judd Viburnum	47.54	
32 93 33 00-0775	EA		42" B&B Viburnum x juddii & cvs - Judd Viburnum	54.15	
32 93 33 00-0776	EA		48" B&B Viburnum x juddii & cvs - Judd Viburnum	62.07	
32 93 33 00-0777	EA		2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	39.09	
32 93 33 00-0778	EA		3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	48.17	
32 93 33 00-0779	EA		4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	70.73	
32 93 33 00-0780	EA		5 Gallon Weigela florida & cvs - Old Fashioned Weigela	21.79	
32 93 33 00-0781	EA		24" B&B Weigela florida & cvs - Old Fashioned Weigela	19.81	
32 93 33 00-0782	EA		30" B&B Weigela florida & cvs - Old Fashioned Weigela	22.45	
32 93 33 00-0783	EA		36" B&B Weigela florida & cvs - Old Fashioned Weigela	25.09	
32 93 33 00-0784	EA		42" B&B Weigela florida & cvs - Old Fashioned Weigela	29.06	
32 93 33 00-0785	EA		48" B&B Weigela florida & cvs - Old Fashioned Weigela	33.02	
32 93 33 00-0786	EA		1 Gallon Xylosma congestum - Shiny Xylosma	4.54	
32 93 33 00-0787	EA		5 Gallon Xylosma congestum - Shiny Xylosma	12.84	
32 93 33 00-0788	EA		15 Gallon Xylosma congestum - Shiny Xylosma	56.47	
32 93 33 00-0789	EA		1 Gallon Yucca aloifolia - Spanish Bayonet	3.83	
32 93 33 00-0790	EA		3 Gallon Yucca aloifolia - Spanish Bayonet	10.14	
32 93 33 00-0791	EA		1 Gallon Yucca filamentosa - Adams Needle	5.32	
32 93 33 00-0792	EA		3 Gallon Yucca filamentosa - Adams Needle	10.36	
32 93 33 00-0793	EA		5 Gallon Yucca filamentosa - Adams Needle	16.39	
32 93 33 00-0794	EA		5 Gallon Border Forsythia - Goldenbells	18.23	
32 93 33 00-0795	EA		2' To 3' Border Forsythia - Goldenbells	15.04	
32 93 33 00-0796	EA		3' To 4' Border Forsythia - Goldenbells	19.01	
32 93 33 00-0797	EA		4' To 5' Border Forsythia - Goldenbells	23.69	
32 93 33 00-0798	EA		5' To 6' Border Forsythia - Goldenbells	28.45	
32 93 33 00-0799	EA		6' To 8' Border Forsythia - Goldenbells	39.09	
32 93 33 00-0800	EA		3' Juniperus chinensis - Columnar Chinese Juniper	38.73	
32 93 33 00-0801	EA		4' Juniperus chinensis - Columnar Chinese Juniper	53.16	
32 93 33 00-0802	EA		5' Juniperus chinensis - Columnar Chinese Juniper	83.53	
32 93 33 00-0803	EA		6' Juniperus chinensis - Columnar Chinese Juniper	97.20	
32 93 33 00-0804	EA		7' Juniperus chinensis - Columnar Chinese Juniper	127.58	
32 93 33 00-0805	EA		2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59	
32 93 33 00-0806	EA		3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	25.74
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	7.59
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	10.63

32 93 43 Trees (32 93)

Note: (cvs = cultivar) materials only.

32 93 43 00-0001**Ornamental Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple.....	117.80
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple.....	143.98
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple.....	163.61
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple.....	189.79
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple.....	215.96
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple.....	255.23
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple.....	341.30
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple.....	418.84
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple.....	523.55
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple.....	104.71
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye.....	261.77
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye.....	340.31
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye.....	392.66
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye.....	445.02
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye.....	523.55
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	52.83
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	66.03
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	81.88
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry.....	66.03
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry.....	79.24
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry.....	92.45
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry.....	105.66
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	118.86
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	132.07
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	151.88
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	171.69
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	198.10
32 93 43 00-0029	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	151.88
32 93 43 00-0030	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	178.29
32 93 43 00-0031	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	204.71
32 93 43 00-0032	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	224.52
32 93 43 00-0033	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	52.83
32 93 43 00-0034	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	112.26
32 93 43 00-0035	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	145.28
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry.....	16.08
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry.....	16.87
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry.....	20.08
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry.....	23.96
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud.....	73.30
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud.....	100.85
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud.....	207.72
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud.....	252.87
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	24.80
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	37.21
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	46.51
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	57.93
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	98.17
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	130.89
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	170.15
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	189.79
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	229.05
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	255.23
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	98.17
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	130.89
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	170.15
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	189.79
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	229.05
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	255.23
32 93 43 00-0060	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	8.15
32 93 43 00-0061	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	34.52
32 93 43 00-0062	EA	20 Gallon Prunus subhirtella - Flowering Cherry.....	92.03
32 93 43 00-0063	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry.....	95.13
32 93 43 00-0064	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	118.90
32 93 43 00-0065	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry.....	248.14
32 93 43 00-0066	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	191.25
32 93 43 00-0067	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry.....	372.22
32 93 43 00-0068	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	23.77
32 93 43 00-0069	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	65.11
32 93 43 00-0070	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	84.80
32 93 43 00-0071	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	26.87
32 93 43 00-0072	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	51.68



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 43 00-0073	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	95.13	
32 93 43 00-0074	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	113.74	
32 93 43 00-0075	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0076	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0077	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0078	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0079	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	139.58	
32 93 43 00-0080	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	71.85	
32 93 43 00-0081	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	89.82	
32 93 43 00-0082	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	93.41	
32 93 43 00-0083	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	111.37	
32 93 43 00-0084	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	150.89	
32 93 43 00-0085	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	197.60	
32 93 43 00-0086	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	251.49	
32 93 43 00-0087	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	71.85	
32 93 43 00-0088	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	89.82	
32 93 43 00-0089	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	61.08	
32 93 43 00-0090	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	93.41	
32 93 43 00-0091	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	111.28	
32 93 43 00-0092	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	150.89	
32 93 43 00-0093	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	197.60	
32 93 43 00-0094	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	130.89	
32 93 43 00-0095	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	163.61	
32 93 43 00-0096	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	202.87	
32 93 43 00-0097	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	229.05	
32 93 43 00-0098	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	255.23	
32 93 43 00-0099	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	327.22	
32 93 43 00-0100	EA	1 Gallon Ribes aureum - Golden Currant.....	7.13	
32 93 43 00-0101	EA	5 Gallon Ribes aureum - Golden Currant.....	20.40	
32 93 43 00-0102	EA	1 Gallon Ribes sanguineum - Red Flowering Currant.....	7.13	
32 93 43 00-0103	EA	5 Gallon Ribes sanguineum - Red Flowering Currant.....	20.40	
32 93 43 00-0104	EA	1 Gallon Ribes viburnifolium - Evergreen Currant.....	7.13	
32 93 43 00-0105	EA	5 Gallon Ribes viburnifolium - Evergreen Currant.....	20.40	
32 93 43 00-0106	EA	8' Cassia leptophlia - Gold Medallion Tree.....	195.61	
32 93 43 00-0107	EA	10' Cassia leptophlia - Gold Medallion Tree.....	248.28	
32 93 43 00-0108	EA	12' Cassia leptophlia - Gold Medallion Tree.....	300.94	
32 93 43 00-0109	EA	6' Magnolia grandiflora 'St. Mary's'.....	225.70	
32 93 43 00-0110	EA	8' Magnolia grandiflora 'St. Mary's'.....	398.75	
32 93 43 00-0111	EA	10' Magnolia grandiflora 'St. Mary's'.....	501.07	
32 93 43 00-0112	EA	12' Magnolia grandiflora 'St. Mary's'.....	601.88	
32 93 43 00-0113	EA	14' Magnolia grandiflora 'St. Mary's'.....	699.69	
32 93 43 00-0114	EA	16' Magnolia grandiflora 'St. Mary's'.....	827.58	
32 93 43 00-0115	EA	24" Box Magnolia grandiflora 'St. Mary's'.....	248.28	
32 93 43 00-0116	EA	6' Prunus cerasifera - Purple Leaf Plum.....	117.37	
32 93 43 00-0117	EA	8' Prunus cerasifera - Purple Leaf Plum.....	135.42	
32 93 43 00-0118	EA	10' Prunus cerasifera - Purple Leaf Plum.....	174.55	
32 93 43 00-0119	EA	24" Box Prunus cerasifera - Purple Leaf Plum.....	185.83	
32 93 43 00-0120	EA	30" Box Prunus cerasifera - Purple Leaf Plum.....	376.18	
32 93 43 00-0121	EA	36" Box Prunus cerasifera - Purple Leaf Plum.....	577.05	
32 93 43 00-0122	EA	6' Pittosporum phylliraeoides - Willow Pittorporum	245.27	
32 93 43 00-0123	EA	8' Pittosporum phylliraeoides - Willow Pittorporum	350.60	
32 93 43 00-0124	EA	10' Pittosporum phylliraeoides - Willow Pittorporum	419.81	
32 93 43 00-0125	EA	12' Pittosporum phylliraeoides - Willow Pittorporum	541.69	
32 93 43 00-0126	EA	6' Stenocarpus sinuatus - Firewheel Tree.....	361.13	
32 93 43 00-0127	EA	8' Stenocarpus sinuatus - Firewheel Tree.....	481.50	
32 93 43 00-0128	EA	10' Stenocarpus sinuatus - Firewheel Tree.....	601.88	
32 93 43 00-0129	EA	12' Stenocarpus sinuatus - Firewheel Tree.....	722.26	
32 93 43 00-0130	EA	24" Box Tabebuia ipi - Pink Trumpet	350.60	
32 93 43 00-0131	EA	36" Box Tabebuia ipi - Pink Trumpet	932.91	
32 93 43 00-0132	EA	1-1/2" Caliper Arbutus menziesii - Madrona.....	261.69	
32 93 43 00-0133	EA	2" Caliper Arbutus menziesii - Madrona.....	340.19	
32 93 43 00-0134	EA	2-1/2" Caliper Arbutus menziesii - Madrona.....	392.53	
32 93 43 00-0135	EA	3" Caliper Arbutus menziesii - Madrona.....	444.87	
32 93 43 00-0136	EA	3-1/2" Caliper Arbutus menziesii - Madrona.....	523.37	
32 93 43 00-0137	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern.....	180.56	
32 93 43 00-0138	EA	2" Caliper Koelreuteria bipinnata - Chinese Lantern.....	293.42	
32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Lantern.....	361.13	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Lantern.....	398.75	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Lantern.....	176.05	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Lantern.....	406.27	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Lantern.....	635.74	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	164.01	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	266.33	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	326.52	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	368.65	
32 93 43 00-0148	EA	6' Magnolia grandiflora - Southern Magnolia.....	111.35	
32 93 43 00-0149	EA	7' Magnolia grandiflora - Southern Magnolia.....	168.53	
32 93 43 00-0150	EA	8' Magnolia grandiflora - Southern Magnolia.....	236.24	
32 93 43 00-0151	EA	9' Magnolia grandiflora - Southern Magnolia.....	314.48	
32 93 43 00-0152	EA	10' Magnolia grandiflora - Southern Magnolia.....	478.49	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia.....	195.61	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0154	EA		1-1/2" Caliper Tipuana tipu - Tipu Tree.....	233.23	
32 93 43 00-0155	EA		2" Caliper Tipuana tipu - Tipu Tree.....	303.95	
32 93 43 00-0156	EA		2-1/2" Caliper Tipuana tipu - Tipu Tree.....	385.20	
32 93 43 00-0157	EA		3" Caliper Tipuana tipu - Tipu Tree.....	443.89	
32 93 43 00-0158	EA		3-1/2" Caliper Tipuana tipu - Tipu Tree.....	653.04	
32 93 43 00-0159	EA		4" Caliper Tipuana tipu - Tipu Tree.....	872.73	
32 93 43 00-0160	EA		24" Box Tipuana tipu - Tipu Tree.....	176.05	
32 93 43 00-0161	EA		6' Albizia julibrissin - Silk Tree.....	361.13	
32 93 43 00-0162	EA		8' Albizia julibrissin - Silk Tree.....	481.50	
32 93 43 00-0163	EA		10' Albizia julibrissin - Silk Tree.....	601.88	
32 93 43 00-0164	EA		12' Albizia julibrissin - Silk Tree.....	722.26	
32 93 43 00-0165	EA		6' Brachychiton acerifolius - Flame Tree.....	361.13	
32 93 43 00-0166	EA		8' Brachychiton acerifolius - Flame Tree.....	481.50	
32 93 43 00-0167	EA		10' Brachychiton acerifolius - Flame Tree.....	601.88	
32 93 43 00-0168	EA		12' Brachychiton acerifolius - Flame Tree.....	722.26	
32 93 43 00-0169	EA		1-1/2" Caliper Chilopsis linearis - Desert Willow.....	291.91	
32 93 43 00-0170	EA		2" Caliper Chilopsis linearis - Desert Willow.....	350.60	
32 93 43 00-0171	EA		2-1/2" Caliper Chilopsis linearis - Desert Willow.....	373.17	
32 93 43 00-0172	EA		3" Caliper Chilopsis linearis - Desert Willow.....	413.79	
32 93 43 00-0173	EA		5 Gallon Chionanthus retusus - Chinese Fringe Tree.....	15.05	
32 93 43 00-0174	EA		15 Gallon Chionanthus retusus - Chinese Fringe Tree.....	60.19	
32 93 43 00-0175	EA		24" Box Chionanthus retusus - Chinese Fringe Tree.....	300.94	
32 93 43 00-0176	EA		5 Gallon Calodendrum capense - Cape Chestnut.....	22.57	
32 93 43 00-0177	EA		15 Gallon Calodendrum capense - Cape Chestnut.....	90.28	
32 93 43 00-0178	EA		24" Box Calodendrum capense - Cape Chestnut.....	338.56	
32 93 43 00-0179	EA		6' Chionanthus virginicus - White Fringe Tree.....	180.56	
32 93 43 00-0180	EA		8' Chionanthus virginicus - White Fringe Tree.....	210.73	
32 93 43 00-0181	EA		10' Chionanthus virginicus - White Fringe Tree.....	293.51	
32 93 43 00-0182	EA		15 Gallon Geijera parvifolia - Australian Willow.....	90.31	
32 93 43 00-0183	EA		24" Box Geijera parvifolia - Australian Willow.....	185.89	
32 93 43 00-0184	EA		30" Box Geijera parvifolia - Australian Willow.....	346.20	
32 93 43 00-0185	EA		36" Box Geijera parvifolia - Australian Willow.....	496.72	
32 93 43 00-0186	EA		1-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	267.93	
32 93 43 00-0187	EA		2" Caliper Ginko Biloba - Maidenhair Tree.....	373.29	
32 93 43 00-0188	EA		2-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	450.05	
32 93 43 00-0189	EA		3" Caliper Ginko Biloba - Maidenhair Tree.....	525.31	
32 93 43 00-0190	EA		3-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	687.88	
32 93 43 00-0191	EA		4" Caliper Ginko Biloba - Maidenhair Tree.....	734.54	
32 93 43 00-0192	EA		4-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	782.70	
32 93 43 00-0193	EA		24" Box Ginko Biloba - Maidenhair Tree.....	244.60	
32 93 43 00-0194	EA		15 Gallon Sapium sebiferum - Chinese Tallow Tree.....	90.31	
32 93 43 00-0195	EA		24" Box Sapium sebiferum - Chinese Tallow Tree.....	331.14	
32 93 43 00-0196	EA		4' To 5' Lagerstroemia indica - Crape Myrtle.....	96.33	
32 93 43 00-0197	EA		6' Lagerstroemia indica - Crape Myrtle.....	179.12	
32 93 43 00-0198	EA		8' Lagerstroemia indica - Crape Myrtle.....	185.14	
32 93 43 00-0199	EA		10' Lagerstroemia indica - Crape Myrtle.....	224.27	
32 93 43 00-0200	EA		24" Box Lagerstroemia indica - Crape Myrtle.....	176.11	
32 93 43 00-0201	EA		5 Gallon Celtis Sinensis - Chinese Hackberry.....	22.08	
32 93 43 00-0202	EA		15 Gallon Celtis Sinensis - Chinese Hackberry.....	58.21	
32 93 43 00-0203	EA		24" Box Celtis Sinensis - Chinese Hackberry.....	190.68	
32 93 43 00-0204	EA		36" Box Celtis Sinensis - Chinese Hackberry.....	557.00	
32 93 43 00-0205	EA		5 Gallon Crataegus phaenopyrum - Washington Hawthorn.....	22.08	
32 93 43 00-0206	EA		15 Gallon Crataegus phaenopyrum - Washington Hawthorn.....	58.21	
32 93 43 00-0207	EA		24" Box Crataegus phaenopyrum - Washington Hawthorn.....	190.68	
32 93 43 00-0208	EA		36" Box Crataegus phaenopyrum - Washington Hawthorn.....	557.00	
32 93 43 00-0209	EA		1 Gallon Eucalyptus ficifolia - Red-Flowering Gum.....	6.52	
32 93 43 00-0210	EA		5 Gallon Eucalyptus ficifolia - Red-Flowering Gum.....	18.06	
32 93 43 00-0211	EA		15 Gallon Eucalyptus ficifolia - Red-Flowering Gum.....	79.28	
32 93 43 00-0212	EA		24" Box Eucalyptus ficifolia - Red-Flowering Gum.....	190.68	
32 93 43 00-0213	EA		36" Box Eucalyptus ficifolia - Red-Flowering Gum.....	501.80	
32 93 43 00-0214	EA		15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	49.18	
32 93 43 00-0215	EA		24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	160.58	
32 93 43 00-0216	EA		36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	426.53	
32 93 43 00-0217	EA		48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	953.42	
32 93 43 00-0218	EA		5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	14.05	
32 93 43 00-0219	EA		15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	49.18	
32 93 43 00-0220	EA		24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	160.58	
32 93 43 00-0221	EA		36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	426.53	
32 93 43 00-0222	EA		48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	953.42	
32 93 43 00-0223	EA		5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	14.05	
32 93 43 00-0224	EA		15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	59.21	
32 93 43 00-0225	EA		24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	160.58	
32 93 43 00-0226	EA		36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	451.62	
32 93 43 00-0227	EA		48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	1,154.14	
32 93 43 00-0228	EA		5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	14.05	
32 93 43 00-0229	EA		15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	59.21	
32 93 43 00-0230	EA		24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	160.58	
32 93 43 00-0231	EA		36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	451.62	
32 93 43 00-0232	EA		48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	1,154.14	
32 93 43 00-0233	EA		5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	14.05	
32 93 43 00-0234	EA		15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	59.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0235 EA 24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	160.58	
32 93 43 00-0236 EA 36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	451.62	
32 93 43 00-0237 EA 48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	1,154.14	
32 93 43 00-0238 EA 1 Gallon Pittosporum undulatum - Victorian Box.....	4.52	
32 93 43 00-0239 EA 5 Gallon Pittosporum undulatum - Victorian Box.....	14.05	
32 93 43 00-0240 EA 15 Gallon Pittosporum undulatum - Victorian Box.....	59.21	
32 93 43 00-0241 EA 24" Box Pittosporum undulatum - Victorian Box.....	160.58	
32 93 43 00-0242 EA 36" Box Pittosporum undulatum - Victorian Box.....	451.62	
32 93 43 00-0243 EA 48" Box Pittosporum undulatum - Victorian Box.....	1,154.14	
32 93 43 00-0244 EA 15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	50.13	
32 93 43 00-0245 EA 24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	180.60	

32 93 43 00-0246

Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247 EA 3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	292.02	
32 93 43 00-0248 EA 4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	357.96	
32 93 43 00-0249 EA 4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	466.29	
32 93 43 00-0250 EA 5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	604.45	
32 93 43 00-0251 EA 2" To 2-1/2" Acer palmatum - Japanese Maple.....	30.80	
32 93 43 00-0252 EA 4" To 5" Acer palmatum - Japanese Maple.....	64.68	
32 93 43 00-0253 EA 5" To 6" Acer palmatum - Japanese Maple.....	84.70	
32 93 43 00-0254 EA 6" To 7" Acer palmatum - Japanese Maple.....	154.00	
32 93 43 00-0255 EA 7" To 8" Acer palmatum - Japanese Maple.....	215.60	
32 93 43 00-0256 EA 8" To 10" Acer palmatum - Japanese Maple.....	277.21	
32 93 43 00-0257 EA 10" To 12" Acer palmatum - Japanese Maple.....	369.61	
32 93 43 00-0258 EA 2" Caliper Acer platanoides & cvs - Norway Maple.....	157.00	
32 93 43 00-0259 EA 2" Caliper Acer platanoides & cvs - Norway Maple.....	191.13	
32 93 43 00-0260 EA 3" Caliper Acer platanoides & cvs - Norway Maple.....	245.74	
32 93 43 00-0261 EA 3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	286.70	
32 93 43 00-0262 EA 4" Caliper Acer platanoides & cvs - Norway Maple.....	307.17	
32 93 43 00-0263 EA 4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	334.48	
32 93 43 00-0264 EA 5" Caliper Acer platanoides & cvs - Norway Maple.....	375.43	
32 93 43 00-0265 EA 2" Caliper Acer rubrum & cvs - Red Maple.....	150.17	
32 93 43 00-0266 EA 2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	191.13	
32 93 43 00-0267 EA 3" Caliper Acer rubrum & cvs - Red Maple.....	245.74	
32 93 43 00-0268 EA 3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	300.35	
32 93 43 00-0269 EA 4" Caliper Acer rubrum & cvs - Red Maple.....	341.30	
32 93 43 00-0270 EA 4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	395.91	
32 93 43 00-0271 EA 5" Caliper Acer rubrum & cvs - Red Maple.....	443.70	
32 93 43 00-0272 EA 8" Clump Form Acer rubrum & cvs - Red Maple.....	184.30	
32 93 43 00-0273 EA 10" Clump Form Acer rubrum & cvs - Red Maple.....	245.74	
32 93 43 00-0274 EA 12" Clump Form Acer rubrum & cvs - Red Maple.....	286.70	
32 93 43 00-0275 EA 14" Clump Form Acer rubrum & cvs - Red Maple.....	327.65	
32 93 43 00-0276 EA 16" Clump Form Acer rubrum & cvs - Red Maple.....	368.61	
32 93 43 00-0277 EA 18" Clump Form Acer rubrum & cvs - Red Maple.....	409.57	
32 93 43 00-0278 EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	238.91	
32 93 43 00-0279 EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	266.22	
32 93 43 00-0280 EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	300.35	
32 93 43 00-0281 EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	341.30	
32 93 43 00-0282 EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	409.57	
32 93 43 00-0283 EA 2" Caliper Betula nigra - River Birch.....	170.65	
32 93 43 00-0284 EA 2-1/2" Caliper Betula nigra - River Birch.....	193.25	
32 93 43 00-0285 EA 3" Caliper Betula nigra - River Birch.....	218.43	
32 93 43 00-0286 EA 3-1/2" Caliper Betula nigra - River Birch.....	273.04	
32 93 43 00-0287 EA 4" Caliper Betula nigra - River Birch.....	307.17	
32 93 43 00-0288 EA 4-1/2" Caliper Betula nigra - River Birch.....	341.30	
32 93 43 00-0289 EA 5" Caliper Betula nigra - River Birch.....	375.43	
32 93 43 00-0290 EA 8" Clump Form Betula nigra - River Birch.....	157.00	
32 93 43 00-0291 EA 10" Clump Form Betula nigra - River Birch.....	177.48	
32 93 43 00-0292 EA 12" Clump Form Betula nigra - River Birch.....	204.78	
32 93 43 00-0293 EA 14" Clump Form Betula nigra - River Birch.....	238.91	
32 93 43 00-0294 EA 16" Clump Form Betula nigra - River Birch.....	273.04	
32 93 43 00-0295 EA 12" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	204.78	
32 93 43 00-0296 EA 14" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	245.74	
32 93 43 00-0297 EA 16" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	286.70	
32 93 43 00-0298 EA 18" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	341.30	
32 93 43 00-0299 EA 20" Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	354.96	
32 93 43 00-0300 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam.....	273.04	
32 93 43 00-0301 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	307.17	
32 93 43 00-0302 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam.....	354.96	
32 93 43 00-0303 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	430.04	
32 93 43 00-0304 EA 6" Clump Form Carpinus betulus & cvs - European Hornbeam.....	122.87	
32 93 43 00-0305 EA 7" Clump Form Carpinus betulus & cvs - European Hornbeam.....	170.65	
32 93 43 00-0306 EA 8" Clump Form Carpinus betulus & cvs - European Hornbeam.....	211.61	
32 93 43 00-0307 EA 2" Caliper Catalpa speciosa - Western Catalpa.....	150.17	
32 93 43 00-0308 EA 2-1/2" Caliper Catalpa speciosa - Western Catalpa.....	204.78	
32 93 43 00-0309 EA 3" Caliper Catalpa speciosa - Western Catalpa.....	266.22	
32 93 43 00-0310 EA 3-1/2" Caliper Catalpa speciosa - Western Catalpa.....	320.83	
32 93 43 00-0311 EA 4" Caliper Catalpa speciosa - Western Catalpa.....	368.61	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0312 EA 8' Clump Form Corylus cornuta californica - Western Filbert.....	191.13	
32 93 43 00-0313 EA 10' Clump Form Corylus cornuta californica - Western Filbert.....	232.09	
32 93 43 00-0314 EA 12' Clump Form Corylus cornuta californica - Western Filbert.....	273.04	
32 93 43 00-0315 EA 1-1/2" Caliper Diospyros - Persimmon.....	122.87	
32 93 43 00-0316 EA 2" Caliper Diospyros - Persimmon.....	150.17	
32 93 43 00-0317 EA 2-1/2" Caliper Diospyros - Persimmon.....	191.13	
32 93 43 00-0318 EA 3" Caliper Diospyros - Persimmon.....	238.91	
32 93 43 00-0319 EA 3-1/2" Caliper Diospyros - Persimmon.....	286.70	
32 93 43 00-0320 EA 2" Caliper Fagus sylvatica & cvs - European Beech.....	307.17	
32 93 43 00-0321 EA 2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	368.61	
32 93 43 00-0322 EA 3" Caliper Fagus sylvatica & cvs - European Beech.....	443.70	
32 93 43 00-0323 EA 3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	491.48	
32 93 43 00-0324 EA 4" Caliper Fagus sylvatica & cvs - European Beech.....	580.22	
32 93 43 00-0325 EA 4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	750.87	
32 93 43 00-0326 EA 5" Caliper Fagus sylvatica & cvs - European Beech.....	887.39	
32 93 43 00-0327 EA 2" Caliper Fraxinus americana & cvs - White Ash.....	170.65	
32 93 43 00-0328 EA 2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	204.78	
32 93 43 00-0329 EA 3" Caliper Fraxinus americana & cvs - White Ash.....	259.39	
32 93 43 00-0330 EA 3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	314.00	
32 93 43 00-0331 EA 4" Caliper Fraxinus americana & cvs - White Ash.....	368.61	
32 93 43 00-0332 EA 4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	409.57	
32 93 43 00-0333 EA 5" Caliper Fraxinus americana & cvs - White Ash.....	477.83	
32 93 43 00-0334 EA 1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	238.91	
32 93 43 00-0335 EA 2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	266.22	
32 93 43 00-0336 EA 2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	300.35	
32 93 43 00-0337 EA 3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	334.48	
32 93 43 00-0338 EA 3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	375.43	
32 93 43 00-0339 EA 4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	409.57	
32 93 43 00-0340 EA 4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	614.35	
32 93 43 00-0341 EA 5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	682.61	
32 93 43 00-0342 EA 2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	163.83	
32 93 43 00-0343 EA 2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	204.78	
32 93 43 00-0344 EA 3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	245.74	
32 93 43 00-0345 EA 3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	286.70	
32 93 43 00-0346 EA 4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	327.65	
32 93 43 00-0347 EA 4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	368.61	
32 93 43 00-0348 EA 5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	436.87	
32 93 43 00-0349 EA 10' - 12' Bursera Simaruba - Gumbo Limbo.....	86.35	
32 93 43 00-0350 EA 12' - 14' Bursera Simaruba - Gumbo Limbo.....	102.05	
32 93 43 00-0351 EA 14' - 16' Bursera Simaruba - Gumbo Limbo.....	141.30	
32 93 43 00-0352 EA 17' - 18' Bursera Simaruba - Gumbo Limbo.....	183.69	
32 93 43 00-0353 EA 19' - 20' Bursera Simaruba - Gumbo Limbo.....	204.10	
32 93 43 00-0354 EA 21' - 22' Bursera Simaruba - Gumbo Limbo.....	241.78	
32 93 43 00-0355 EA 1-1/2" Caliper Juglans californica - California Walnut.....	163.83	
32 93 43 00-0356 EA 2" Caliper Juglans californica - California Walnut.....	191.13	
32 93 43 00-0357 EA 2-1/2" Caliper Juglans californica - California Walnut.....	238.91	
32 93 43 00-0358 EA 3" Caliper Juglans californica - California Walnut.....	300.35	
32 93 43 00-0359 EA 3-1/2" Caliper Juglans californica - California Walnut.....	368.61	
32 93 43 00-0360 EA 4" Caliper Juglans californica - California Walnut.....	443.70	
32 93 43 00-0361 EA 4-1/2" Caliper Juglans californica - California Walnut.....	511.96	
32 93 43 00-0362 EA 5" Caliper Juglans californica - California Walnut.....	580.22	
32 93 43 00-0363 EA 5 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	18.48	
32 93 43 00-0364 EA 15 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	46.20	
32 93 43 00-0365 EA 20 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	92.40	
32 93 43 00-0366 EA 55 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	120.12	
32 93 43 00-0367 EA 1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	87.78	
32 93 43 00-0368 EA 2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	106.26	
32 93 43 00-0369 EA 2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	147.84	
32 93 43 00-0370 EA 1-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	218.43	
32 93 43 00-0371 EA 2" Caliper Liquidambar styraciflua - American Sweetgum.....	273.04	
32 93 43 00-0372 EA 2-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	341.30	
32 93 43 00-0373 EA 3" Caliper Liquidambar styraciflua - American Sweetgum.....	409.57	
32 93 43 00-0374 EA 3-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	477.83	
32 93 43 00-0375 EA 1-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	218.43	
32 93 43 00-0376 EA 2" Caliper Liriodendron tulipifera - Tulip Tree.....	300.35	
32 93 43 00-0377 EA 2-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	354.96	
32 93 43 00-0378 EA 3" Caliper Liriodendron tulipifera - Tulip Tree.....	409.57	
32 93 43 00-0379 EA 3-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	464.17	
32 93 43 00-0380 EA 8' Clump Form Liriodendron tulipifera - Tulip Tree.....	163.83	
32 93 43 00-0381 EA 10' Clump Form Liriodendron tulipifera - Tulip Tree.....	293.52	
32 93 43 00-0382 EA 12' Clump Form Liriodendron tulipifera - Tulip Tree.....	354.96	
32 93 43 00-0383 EA 1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	218.43	
32 93 43 00-0384 EA 2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	273.04	
32 93 43 00-0385 EA 2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	341.30	
32 93 43 00-0386 EA 3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	409.57	
32 93 43 00-0387 EA 3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	477.83	
32 93 43 00-0388 EA 4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	95.57	
32 93 43 00-0389 EA 5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	109.22	
32 93 43 00-0390 EA 6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	129.70	
32 93 43 00-0391 EA 7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	163.83	
32 93 43 00-0392 EA 8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	204.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0393 EA 30" Box Platanus Occidentalis - Buttonwood Sycamore.....	296.56	
32 93 43 00-0394 EA 36" Box Platanus Occidentalis - Buttonwood Sycamore.....	431.36	
32 93 43 00-0395 EA 42" Box Platanus occidentalis - Buttonwood Sycamore.....	641.68	
32 93 43 00-0396 EA 1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	99.23	
32 93 43 00-0397 EA 2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	118.63	
32 93 43 00-0398 EA 2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	161.76	
32 93 43 00-0399 EA 3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	196.30	
32 93 43 00-0400 EA 8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	81.64	
32 93 43 00-0401 EA 10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	102.05	
32 93 43 00-0402 EA 12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	180.55	
32 93 43 00-0403 EA 16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	259.05	
32 93 43 00-0404 EA 2" Caliper Platanus x acerifolia & cvs - London Planetree.....	163.83	
32 93 43 00-0405 EA 2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	197.96	
32 93 43 00-0406 EA 3" Caliper Platanus x acerifolia & cvs - London Planetree.....	238.91	
32 93 43 00-0407 EA 3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	286.70	
32 93 43 00-0408 EA 4" Caliper Platanus x acerifolia & cvs - London Planetree.....	341.30	
32 93 43 00-0409 EA 2" Caliper Populus alba & cvs - White Poplar.....	163.83	
32 93 43 00-0410 EA 2-1/2" Caliper Populus alba & cvs - White Poplar.....	191.13	
32 93 43 00-0411 EA 3" Caliper Populus alba & cvs - White Poplar.....	218.43	
32 93 43 00-0412 EA 3-1/2" Caliper Populus alba & cvs - White Poplar.....	259.39	
32 93 43 00-0413 EA 4" Caliper Populus alba & cvs - White Poplar.....	286.70	
32 93 43 00-0414 EA 4-1/2" Caliper Populus alba & cvs - White Poplar.....	327.65	
32 93 43 00-0415 EA 2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	150.17	
32 93 43 00-0416 EA 2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	197.96	
32 93 43 00-0417 EA 3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	238.91	
32 93 43 00-0418 EA 3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	286.70	
32 93 43 00-0419 EA 4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	341.30	
32 93 43 00-0420 EA 2" Caliper Quercus palustris - Pin Oak.....	150.17	
32 93 43 00-0421 EA 2-1/2" Caliper Quercus palustris - Pin Oak.....	204.78	
32 93 43 00-0422 EA 3" Caliper Quercus palustris - Pin Oak.....	266.22	
32 93 43 00-0423 EA 3-1/2" Caliper Quercus palustris - Pin Oak.....	307.17	
32 93 43 00-0424 EA 4" Caliper Quercus palustris - Pin Oak.....	354.96	
32 93 43 00-0425 EA 4-1/2" Caliper Quercus palustris - Pin Oak.....	402.74	
32 93 43 00-0426 EA 5" Caliper Quercus palustris - Pin Oak.....	443.70	
32 93 43 00-0427 EA 2" Caliper Quercus shumardii - Shumard Oak.....	232.09	
32 93 43 00-0428 EA 2-1/2" Caliper Quercus shumardii - Shumard Oak.....	293.52	
32 93 43 00-0429 EA 3" Caliper Quercus shumardii - Shumard Oak.....	341.30	
32 93 43 00-0430 EA 3-1/2" Caliper Quercus shumardii - Shumard Oak.....	409.57	
32 93 43 00-0431 EA 4" Caliper Quercus shumardii - Shumard Oak.....	477.83	
32 93 43 00-0432 EA 4-1/2" Caliper Quercus shumardii - Shumard Oak.....	546.09	
32 93 43 00-0433 EA 5" Caliper Quercus shumardii - Shumard Oak.....	614.35	
32 93 43 00-0434 EA 24" Box Salix babylonica - Weeping Willow.....	172.54	
32 93 43 00-0435 EA 36" Box Salix babylonica - Weeping Willow.....	431.36	
32 93 43 00-0436 EA 1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	99.23	
32 93 43 00-0437 EA 2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	118.63	
32 93 43 00-0438 EA 2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	129.41	
32 93 43 00-0439 EA 2' Thuja occidentalis - American Arborvitae.....	23.39	
32 93 43 00-0440 EA 2-1/2' Thuja occidentalis - American Arborvitae.....	25.28	
32 93 43 00-0441 EA 3' Thuja occidentalis - American Arborvitae.....	36.11	
32 93 43 00-0442 EA 4' Thuja occidentalis - American Arborvitae.....	49.61	
32 93 43 00-0443 EA 5' Thuja occidentalis - American Arborvitae.....	69.08	
32 93 43 00-0444 EA 6' Thuja occidentalis - American Arborvitae.....	95.77	
32 93 43 00-0445 EA 7' Thuja occidentalis - American Arborvitae.....	116.18	
32 93 43 00-0446 EA 8' Thuja occidentalis - American Arborvitae.....	163.28	
32 93 43 00-0447 EA 2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	171.68	
32 93 43 00-0448 EA 2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	207.38	
32 93 43 00-0449 EA 3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	238.91	
32 93 43 00-0450 EA 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	293.52	
32 93 43 00-0451 EA 4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	334.48	
32 93 43 00-0452 EA 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	375.43	
32 93 43 00-0453 EA 5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	416.39	
32 93 43 00-0454 EA 2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	191.13	
32 93 43 00-0455 EA 2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	218.43	
32 93 43 00-0456 EA 3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	238.91	
32 93 43 00-0457 EA 3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	259.39	
32 93 43 00-0458 EA 4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	286.70	
32 93 43 00-0459 EA 4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	341.30	
32 93 43 00-0460 EA 5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	402.74	
32 93 43 00-0461 EA 2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	218.43	
32 93 43 00-0462 EA 2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	238.91	
32 93 43 00-0463 EA 3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	259.39	
32 93 43 00-0464 EA 3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	286.70	
32 93 43 00-0465 EA 4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	341.30	
32 93 43 00-0466 EA 4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	402.74	
32 93 43 00-0467 EA 5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	464.17	
32 93 43 00-0468 EA 2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	218.43	
32 93 43 00-0469 EA 2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	238.91	
32 93 43 00-0470 EA 3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	259.39	
32 93 43 00-0471 EA 3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	286.70	
32 93 43 00-0472 EA 4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	341.30	
32 93 43 00-0473 EA 4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	402.74	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

Table listing plant items with columns for CSI, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Items include various Caliper Ulmus, Platanus acerifolia, and Quercus species.

32 93 43 00-0495 Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

Table listing evergreen tree items with columns for CSI, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Items include Cedrus atlantica, Cupressocyparis, and Juniperus species.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0551 EA 6' To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0552 EA 1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0553 EA 2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-0554 EA 3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-0555 EA 5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-0556 EA 1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-0557 EA 2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-0558 EA 3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-0559 EA 5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-0560 EA 3' Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-0561 EA 4' Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-0562 EA 5' Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-0563 EA 6' Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-0564 EA 7' Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-0565 EA 8' Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-0566 EA 9' Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-0567 EA 10' Pinus sylvestris - Scotch Pine	181.86	
32 93 43 00-0568 EA 12' Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-0569 EA 14' Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-0570 EA 16' Pinus sylvestris - Scotch Pine	282.89	
32 93 43 00-0571 EA 1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-0572 EA 5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-0573 EA 15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-0574 EA 2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-0575 EA 3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-0576 EA 4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-0577 EA 5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85	
32 93 43 00-0578 EA 6' To 7' Pinus Thunbergiana - Japanese Black Pine	58.17	
32 93 43 00-0579 EA 7' To 8' Pinus thunbergiana - Japanese Black Pine	72.70	
32 93 43 00-0580 EA 6' Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-0581 EA 7' Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-0582 EA 8' Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-0583 EA 9' Pinus flexilis & cvs - Limber Pine	177.82	
32 93 43 00-0584 EA 10' Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-0585 EA 1 Gallon Pinus mugo - Mugho Pine	3.77	
32 93 43 00-0586 EA 2 Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-0587 EA 3 Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-0588 EA 5 Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-0589 EA 12" To 15" Spread Pinus mugo - Mugho Pine	9.79	
32 93 43 00-0590 EA 15" To 18" Spread Pinus mugo - Mugho Pine	11.67	
32 93 43 00-0591 EA 18" To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-0592 EA 2' To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	
32 93 43 00-0593 EA 2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-0594 EA 3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-0595 EA 3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-0596 EA 6' Pinus nigra - Austrian Pine	101.03	
32 93 43 00-0597 EA 7' Pinus nigra - Austrian Pine	121.24	
32 93 43 00-0598 EA 8' Pinus nigra - Austrian Pine	157.61	
32 93 43 00-0599 EA 9' Pinus nigra - Austrian Pine	181.86	
32 93 43 00-0600 EA 10' Pinus nigra - Austrian Pine	214.19	
32 93 43 00-0601 EA 12' Pinus nigra - Austrian Pine	242.48	
32 93 43 00-0602 EA 14' Pinus nigra - Austrian Pine	270.77	
32 93 43 00-0603 EA 16' Pinus nigra - Austrian Pine	307.14	
32 93 43 00-0604 EA 1 Gallon Podocarpus - Chinese Podocarpus	1.88	
32 93 43 00-0605 EA 3 Gallon Podocarpus - Chinese Podocarpus	4.38	
32 93 43 00-0606 EA 7 Gallon Podocarpus - Chinese Podocarpus	12.64	
32 93 43 00-0607 EA 15 Gallon Podocarpus - Chinese Podocarpus	20.54	
32 93 43 00-0608 EA 4' To 5' Podocarpus - Chinese Podocarpus	31.61	
32 93 43 00-0609 EA 5' To 6' Sequoia sempervirens - Dawn Redwood	39.51	
32 93 43 00-0610 EA 6' To 8' Sequoia sempervirens - Dawn Redwood	53.34	
32 93 43 00-0611 EA 8' To 10' Sequoia sempervirens - Dawn Redwood	65.19	
32 93 43 00-0612 EA 3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	7.62	
32 93 43 00-0613 EA 3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	12.45	
32 93 43 00-0614 EA 6' Cedrus decurrens - Incense Cedar	67.85	
32 93 43 00-0615 EA 8' Cedrus decurrens - Incense Cedar	140.35	
32 93 43 00-0616 EA 10' Cedrus decurrens - Incense Cedar	185.90	
32 93 43 00-0617 EA 12' Cedrus decurrens - Incense Cedar	246.32	
32 93 43 00-0618 EA 6' Melaleuca linarifolia - Flaxleaf Paperbark	195.20	
32 93 43 00-0619 EA 8' Melaleuca linarifolia - Flaxleaf Paperbark	260.26	
32 93 43 00-0620 EA 10' Melaleuca linarifolia - Flaxleaf Paperbark	325.32	
32 93 43 00-0621 EA 12' Melaleuca linarifolia - Flaxleaf Paperbark	390.39	
32 93 43 00-0622 EA 24" Box Melaleuca linarifolia - Flaxleaf Paperbark	114.79	
32 93 43 00-0623 EA 6' Melaleuca quinquenervia - Cajeput Tree	195.20	
32 93 43 00-0624 EA 8' Melaleuca quinquenervia - Cajeput Tree	260.26	
32 93 43 00-0625 EA 10' Melaleuca quinquenervia - Cajeput Tree	325.32	
32 93 43 00-0626 EA 12' Melaleuca quinquenervia - Cajeput Tree	390.39	
32 93 43 00-0627 EA 24" Box Melaleuca quinquenervia - Cajeput Tree	108.75	
32 93 43 00-0628 EA 30" Box Melaleuca quinquenervia - Cajeput Tree	274.20	
32 93 43 00-0629 EA 36" Box Melaleuca quinquenervia - Cajeput Tree	432.22	
32 93 43 00-0630 EA 4' Metrosideros excelsus - New Zealand Christmas Tree	57.63	
32 93 43 00-0631 EA 5' Metrosideros excelsus - New Zealand Christmas Tree	78.08	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0632 EA 6' Metrosideros excelsus - New Zealand Christmas Tree	132.92	
32 93 43 00-0633 EA 8' Metrosideros excelsus - New Zealand Christmas Tree	164.52	
32 93 43 00-0634 EA 24" Box Metrosideros excelsus - New Zealand Christmas Tree	145.00	
32 93 43 00-0635 EA 6' Pinus canariensis - Canary Island Pine	223.08	
32 93 43 00-0636 EA 8' Pinus canariensis - Canary Island Pine	297.44	
32 93 43 00-0637 EA 10' Pinus canariensis - Canary Island Pine	371.80	
32 93 43 00-0638 EA 12' Pinus canariensis - Canary Island Pine	446.16	
32 93 43 00-0639 EA 24" Box Pinus canariensis - Canary Island Pine	132.92	
32 93 43 00-0640 EA 6' Pinus pinea - Italian Stone Pine	223.08	
32 93 43 00-0641 EA 8' Pinus pinea - Italian Stone Pine	297.44	
32 93 43 00-0642 EA 10' Pinus pinea - Italian Stone Pine	371.80	
32 93 43 00-0643 EA 12' Pinus pinea - Italian Stone Pine	446.16	
32 93 43 00-0644 EA 6' Pittosporum undulatum - Victorian Box	122.69	
32 93 43 00-0645 EA 8' Pittosporum undulatum - Victorian Box	194.27	
32 93 43 00-0646 EA 10' Pittosporum undulatum - Victorian Box	255.61	
32 93 43 00-0647 EA 6' Podocarpus gracilior - African Fern Pine	232.38	
32 93 43 00-0648 EA 8' Podocarpus gracilior - African Fern Pine	306.74	
32 93 43 00-0649 EA 10' Podocarpus gracilior - African Fern Pine	390.39	
32 93 43 00-0650 EA 12' Podocarpus gracilior - African Fern Pine	464.75	
32 93 43 00-0651 EA 24" Box Podocarpus gracilior - African Fern Pine	108.75	
32 93 43 00-0652 EA 1 Gallon Podocarpus macrophyllus - Yew Pine	4.32	
32 93 43 00-0653 EA 3 Gallon Podocarpus macrophyllus - Yew Pine	10.13	
32 93 43 00-0654 EA 5 Gallon Podocarpus macrophyllus - Yew Pine	13.29	
32 93 43 00-0655 EA 15 Gallon Podocarpus macrophyllus - Yew Pine	57.63	
32 93 43 00-0656 EA 24" Box Podocarpus macrophyllus - Yew Pine	111.54	
32 93 43 00-0657 EA 24" Box Rhus lancea - African Sumac	114.79	
32 93 43 00-0658 EA 30" Box Rhus lancea - African Sumac	185.90	
32 93 43 00-0659 EA 8' Rhus lancea - African Sumac	278.85	
32 93 43 00-0660 EA 10' Rhus lancea - African Sumac	311.38	
32 93 43 00-0661 EA 12' Rhus lancea - African Sumac	371.80	

32 93 43 00-0662**Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0663 EA 4' To 5' Archontophoenix cunninghamiana - King Palm	64.97	
32 93 43 00-0664 EA 6' To 8' Archontophoenix cunninghamiana - King Palm	101.06	
32 93 43 00-0665 EA 8' To 10' Archontophoenix cunninghamiana - King Palm	129.94	
32 93 43 00-0666 EA 10' To 12' Archontophoenix cunninghamiana - King Palm	173.25	
32 93 43 00-0667 EA 4' To 5' Arecastrum romanzoffianum - Queen Palm	49.22	
32 93 43 00-0668 EA 6' To 8' Arecastrum romanzoffianum - Queen Palm	68.91	
32 93 43 00-0669 EA 8' To 10' Arecastrum romanzoffianum - Queen Palm	88.59	
32 93 43 00-0670 EA 10' To 12' Arecastrum romanzoffianum - Queen Palm	108.28	
32 93 43 00-0671 EA 12' To 14' Arecastrum romanzoffianum - Queen Palm	131.25	
32 93 43 00-0672 EA 14' To 16' Arecastrum romanzoffianum - Queen Palm	164.06	
32 93 43 00-0673 EA 3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	137.81	
32 93 43 00-0674 EA 5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	216.56	
32 93 43 00-0675 EA 3' To 4' Chamaerops humilis - European Fan Palm	118.12	
32 93 43 00-0676 EA 5' To 6' Chamaerops humilis - European Fan Palm	157.50	
32 93 43 00-0677 EA 7' To 8' Chamaerops humilis - European Fan Palm	367.50	
32 93 43 00-0678 EA 9' To 10' Chamaerops humilis - European Fan Palm	630.00	
32 93 43 00-0679 EA 12' To 16' Cocos nucifera - Coconut Palm	276.77	
32 93 43 00-0680 EA 6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	91.88	
32 93 43 00-0681 EA 8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	183.75	
32 93 43 00-0682 EA 10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	236.25	
32 93 43 00-0683 EA 12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	328.12	
32 93 43 00-0684 EA 4' To 5' Rhapsis excelsa - Lady Palm	249.38	
32 93 43 00-0685 EA 6' To 7' Rhapsis excelsa - Lady Palm	354.38	
32 93 43 00-0686 EA 8' To 9' Roystonea regia - Royal Palm	200.81	
32 93 43 00-0687 EA 10' To 11' Roystonea regia - Royal Palm	245.44	
32 93 43 00-0688 EA 12' To 13' Roystonea regia - Royal Palm	290.06	
32 93 43 00-0689 EA 14' To 15' Roystonea regia - Royal Palm	334.69	
32 93 43 00-0690 EA 16' To 17' Roystonea regia - Royal Palm	379.31	
32 93 43 00-0691 EA 18' To 19' Roystonea regia - Royal Palm	423.94	
32 93 43 00-0692 EA 20' To 21' Roystonea regia - Royal Palm	468.56	
32 93 43 00-0693 EA 10' To 16' Sabal palmetto - Cabbage Palm	101.49	
32 93 43 00-0694 EA 6' To 7' Thrinax morrisii - Key Thatch Palm	275.62	
32 93 43 00-0695 EA 8' To 9' Thrinax morrisii - Key Thatch Palm	354.38	
32 93 43 00-0696 EA 10' To 11' Thrinax morrisii - Key Thatch Palm	433.12	
32 93 43 00-0697 EA 9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	98.44	
32 93 43 00-0698 EA 11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	164.06	
32 93 43 00-0699 EA 15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	249.38	
32 93 43 00-0700 EA 17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	282.19	
32 93 43 00-0701 EA 20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	328.12	
32 93 43 00-0702 EA 4' To 5' Bauninia blakeana - Hong Kong Orchid	282.19	
32 93 43 00-0703 EA 6' Bauninia blakeana - Hong Kong Orchid	334.69	
32 93 43 00-0704 EA 8' Bauninia blakeana - Hong Kong Orchid	446.25	
32 93 43 00-0705 EA 10' Bauninia blakeana - Hong Kong Orchid	557.81	
32 93 43 00-0706 EA 4' To 5' Acacia baileyana - Bailey Acacia	262.50	
32 93 43 00-0707 EA 6' Acacia baileyana - Bailey Acacia	315.00	
32 93 43 00-0708 EA 8' Acacia baileyana - Bailey Acacia	367.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0709	EA		10' Acacia baileyana - Bailey Acacia	459.38	
32 93 43 00-0710	EA		6' Agonis flexuosa - Peppermint	157.50	
32 93 43 00-0711	EA		8' Agonis flexuosa - Peppermint	196.88	
32 93 43 00-0712	EA		10' Agonis flexuosa - Peppermint	236.25	
32 93 43 00-0713	EA		24" Box Agonis flexuosa - Peppermint.....	196.22	
32 93 43 00-0714	EA		6' Bauhinia purpurea - Purple Orchid Tree.....	354.38	
32 93 43 00-0715	EA		8' Bauhinia purpurea - Purple Orchid Tree.....	472.50	
32 93 43 00-0716	EA		10' Bauhinia purpurea - Purple Orchid Tree.....	590.62	
32 93 43 00-0717	EA		24" Box Bauhinia purpurea - Purple Orchid Tree.....	153.56	
32 93 43 00-0718	EA		6' Bauhinia variegata candida - White Orchid Tree.....	393.75	
32 93 43 00-0719	EA		8' Bauhinia variegata candida - White Orchid Tree.....	525.00	
32 93 43 00-0720	EA		10' Bauhinia variegata candida - White Orchid Tree.....	656.25	
32 93 43 00-0721	EA		6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.38	
32 93 43 00-0722	EA		8' Callistemon citrinus - Crimson or Lemon Bottle Brush	472.50	
32 93 43 00-0723	EA		10' Callistemon citrinus - Crimson or Lemon Bottle Brush	590.62	
32 93 43 00-0724	EA		6' Eriobotrya deflexa - Bronze Loquat.....	354.38	
32 93 43 00-0725	EA		8' Eriobotrya deflexa - Bronze Loquat.....	472.50	
32 93 43 00-0726	EA		10' Eriobotrya deflexa - Bronze Loquat.....	590.62	
32 93 43 00-0727	EA		6' Eucalyptus erythrocorys - Red Cap Gum.....	354.38	
32 93 43 00-0728	EA		8' Eucalyptus erythrocorys - Red Cap Gum.....	472.50	
32 93 43 00-0729	EA		10' Eucalyptus erythrocorys - Red Cap Gum.....	590.62	
32 93 43 00-0730	EA		6' Eucalyptus torquala - Coral Gum	354.38	
32 93 43 00-0731	EA		8' Eucalyptus torquala - Coral Gum	472.50	
32 93 43 00-0732	EA		10' Eucalyptus torquala - Coral Gum	590.62	
32 93 43 00-0733	EA		8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.50	
32 93 43 00-0734	EA		10' Fraxinus oxycarpa "Raywood" - Raywood Ash	498.75	
32 93 43 00-0735	EA		12' Fraxinus oxycarpa "Raywood" - Raywood Ash	616.88	
32 93 43 00-0736	EA		1 Gallon Washingtonia robusta - Mexican Fan Palm.....	4.52	
32 93 43 00-0737	EA		5 Gallon Washingtonia robusta - Mexican Fan Palm.....	14.05	
32 93 43 00-0738	EA		15 Gallon Washingtonia robusta - Mexican Fan Palm.....	49.18	
32 93 43 00-0739	EA		24" Box Washingtonia robusta - Mexican Fan Palm.....	160.58	
32 93 43 00-0740	EA		36" Box Washingtonia robusta - Mexican Fan Palm.....	426.53	
32 93 43 00-0741	EA		6' Washingtonia robusta - Mexican Fan Palm.....	354.38	
32 93 43 00-0742	EA		8' Washingtonia robusta - Mexican Fan Palm.....	472.50	
32 93 43 00-0743	EA		10' Washingtonia robusta - Mexican Fan Palm.....	590.62	
32 93 43 00-0744	EA		12' Washingtonia robusta - Mexican Fan Palm.....	708.75	
32 93 43 00-0745	EA		6' Olea europaea - Olive "Fruitless"	354.38	
32 93 43 00-0746	EA		8' Olea europaea - Olive "Fruitless"	472.50	
32 93 43 00-0747	EA		10' Olea europaea - Olive "Fruitless"	590.62	
32 93 43 00-0748	EA		12' Olea europaea - Olive "Fruitless"	708.75	
32 93 43 00-0749	EA		24" Box Olea europaea - Olive "Fruitless"	435.75	
32 93 43 00-0750	EA		6' Eucalyptus polyanthemos - Silver Dollar Gum	354.38	
32 93 43 00-0751	EA		8' Eucalyptus polyanthemos - Silver Dollar Gum	472.50	
32 93 43 00-0752	EA		10' Eucalyptus polyanthemos - Silver Dollar Gum	590.62	
32 93 43 00-0753	EA		6' Eucalyptus leucoxydon - White Ironbark	354.38	
32 93 43 00-0754	EA		8' Eucalyptus leucoxydon - White Ironbark	472.50	
32 93 43 00-0755	EA		10' Eucalyptus leucoxydon - White Ironbark	590.62	
32 93 43 00-0756	EA		12' Eucalyptus leucoxydon - White Ironbark	708.75	
32 93 43 00-0757	EA		6' Callistemon viminalis - Weeping Bottle Brush	354.38	
32 93 43 00-0758	EA		8' Callistemon viminalis - Weeping Bottle Brush	472.50	
32 93 43 00-0759	EA		10' Callistemon viminalis - Weeping Bottle Brush	590.62	
32 93 43 00-0760	EA		12' Callistemon viminalis - Weeping Bottle Brush	708.75	
32 93 43 00-0761	EA		6' Eucalyptus gunnii - Cider Gum.....	354.38	
32 93 43 00-0762	EA		8' Eucalyptus gunnii - Cider Gum.....	472.50	
32 93 43 00-0763	EA		10' Eucalyptus gunnii - Cider Gum.....	590.62	
32 93 43 00-0764	EA		6' Jacarandra acutifolia - Jacaranda	354.38	
32 93 43 00-0765	EA		8' Jacarandra acutifolia - Jacaranda	472.50	
32 93 43 00-0766	EA		10' Jacarandra acutifolia - Jacaranda	590.62	
32 93 43 00-0767	EA		24" Box Jacarandra acutifolia - Jacaranda.....	153.56	
32 93 43 00-0768	EA		5 Gallon Phoenix roebelenii - Pygmy Date Palm	17.19	
32 93 43 00-0769	EA		7 Gallon Phoenix roebelenii - Pygmy Date Palm	41.89	
32 93 43 00-0770	EA		15 Gallon Phoenix roebelenii - Pygmy Date Palm	63.38	
32 93 43 00-0771	EA		24" Box Phoenix roebelenii - Pygmy Date Palm	187.98	
32 93 43 00-0772	EA		5 Gallon Pistacia chinensis - Chinese Pistache	23.62	
32 93 43 00-0773	EA		15 Gallon Pistacia chinensis - Chinese Pistache	78.75	
32 93 43 00-0774	EA		24" Box Pistacia chinensis - Chinese Pistache	305.81	
32 93 43 00-0775	EA		36" Box Pistacia chinensis - Chinese Pistache	813.75	
32 93 43 00-0776	EA		48" Box Pistacia chinensis - Chinese Pistache	1,732.50	
32 93 43 00-0777	EA		5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	24.41	
32 93 43 00-0778	EA		15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	81.38	
32 93 43 00-0779	EA		24" Box Pyrus kawakamii - Evergreen Pear, Single.....	305.81	
32 93 43 00-0780	EA		30" Box Pyrus kawakamii - Evergreen Pear, Single.....	559.12	
32 93 43 00-0781	EA		36" Box Pyrus kawakamii - Evergreen Pear, Single.....	813.75	
32 93 43 00-0782	EA		5 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	24.41	
32 93 43 00-0783	EA		15 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	86.62	
32 93 43 00-0784	EA		24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	315.00	
32 93 43 00-0785	EA		30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	559.12	
32 93 43 00-0786	EA		36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	813.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001		Planting Trees <small>(32 93 53)</small>	
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.			
32 93 53 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.09
32 93 53 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	1.76
32 93 53 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.19
32 93 53 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	3.50
32 93 53 00-0006	EA	1 Gallon Container Tree Planting.....	17.52
		<i>For >10 To 25, Deduct</i>	-0.88
		<i>For >25 To 50, Deduct</i>	-2.19
		<i>For >50 To 100, Deduct</i>	-3.50
		<i>For >100, Deduct</i>	-5.26
32 93 53 00-0007	EA	2 Gallon Container Tree Planting.....	24.54
		<i>For >10 To 25, Deduct</i>	-1.23
		<i>For >25 To 50, Deduct</i>	-3.07
		<i>For >50 To 100, Deduct</i>	-4.91
		<i>For >100, Deduct</i>	-7.36
32 93 53 00-0008	EA	3 Gallon Container Tree Planting.....	31.55
		<i>For >10 To 25, Deduct</i>	-1.58
		<i>For >25 To 50, Deduct</i>	-3.94
		<i>For >50 To 100, Deduct</i>	-6.31
		<i>For >100, Deduct</i>	-9.47
32 93 53 00-0009	EA	5 Gallon Container Tree Planting.....	52.57
		<i>For >10 To 25, Deduct</i>	-2.63
		<i>For >25 To 50, Deduct</i>	-6.57
		<i>For >50 To 100, Deduct</i>	-10.51
		<i>For >100, Deduct</i>	-15.77
32 93 53 00-0010	EA	7 Gallon Container Tree Planting.....	70.10
		<i>For >10 To 25, Deduct</i>	-3.51
		<i>For >25 To 50, Deduct</i>	-8.76
		<i>For >50 To 100, Deduct</i>	-14.02
		<i>For >100, Deduct</i>	-21.03
32 93 53 00-0011	EA	10 Gallon Container Tree Planting.....	91.12
		<i>For >10 To 25, Deduct</i>	-4.56
		<i>For >25 To 50, Deduct</i>	-11.39
		<i>For >50 To 100, Deduct</i>	-18.22
		<i>For >100, Deduct</i>	-27.34
32 93 53 00-0012	EA	15 Gallon Container Tree Planting.....	129.68
		<i>For >10 To 25, Deduct</i>	-6.48
		<i>For >25 To 50, Deduct</i>	-16.21
		<i>For >50 To 100, Deduct</i>	-25.94
		<i>For >100, Deduct</i>	-38.90
32 93 53 00-0013	EA	20 Gallon Container Tree Planting.....	213.79
		<i>For >10 To 25, Deduct</i>	-10.69
		<i>For >25 To 50, Deduct</i>	-26.72
		<i>For >50 To 100, Deduct</i>	-42.76
		<i>For >100, Deduct</i>	-64.14
32 93 53 00-0014	EA	25 Gallon Container Tree Planting.....	276.88
		<i>For >10 To 25, Deduct</i>	-13.84
		<i>For >25 To 50, Deduct</i>	-34.61
		<i>For >50 To 100, Deduct</i>	-55.38
		<i>For >100, Deduct</i>	-83.06
32 93 53 00-0015	EA	30 Gallon Container Tree Planting.....	332.96
		<i>For >10 To 25, Deduct</i>	-16.65
		<i>For >25 To 50, Deduct</i>	-41.62
		<i>For >50 To 100, Deduct</i>	-66.59
		<i>For >100, Deduct</i>	-99.89
32 93 53 00-0016	EA	45 Gallon Container Tree Planting.....	413.57
		<i>For >10 To 25, Deduct</i>	-20.68
		<i>For >25 To 50, Deduct</i>	-51.70
		<i>For >50 To 100, Deduct</i>	-82.71
		<i>For >100, Deduct</i>	-124.07
32 93 53 00-0017	EA	65 Gallon Container Tree Planting.....	490.68
		<i>For >10 To 25, Deduct</i>	-24.53
		<i>For >25 To 50, Deduct</i>	-61.34
		<i>For >50 To 100, Deduct</i>	-98.14
		<i>For >100, Deduct</i>	-147.20
32 93 53 00-0018	EA	6' Balled And Burlapped Tree Planting	175.24
		<i>For >10 To 25, Deduct</i>	-8.76
		<i>For >25 To 50, Deduct</i>	-21.91
		<i>For >50 To 100, Deduct</i>	-35.05
		<i>For >100, Deduct</i>	-52.57
32 93 53 00-0019	EA	7' Balled And Burlapped Tree Planting	233.43
		<i>For >10 To 25, Deduct</i>	-11.67
		<i>For >25 To 50, Deduct</i>	-29.18
		<i>For >50 To 100, Deduct</i>	-46.69
		<i>For >100, Deduct</i>	-70.03
32 93 53 00-0020	EA	8' Balled And Burlapped Tree Planting	262.87
		<i>For >10 To 25, Deduct</i>	-13.14
		<i>For >25 To 50, Deduct</i>	-32.86
		<i>For >50 To 100, Deduct</i>	-52.57
		<i>For >100, Deduct</i>	-78.86



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	306.67	
For >10 To 25, Deduct	-15.33	
For >25 To 50, Deduct	-38.33	
For >50 To 100, Deduct	-61.33	
For >100, Deduct	-92.00	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	410.07	
For >10 To 25, Deduct	-20.50	
For >25 To 50, Deduct	-51.26	
For >50 To 100, Deduct	-82.01	
For >100, Deduct	-123.02	
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	469.65	
For >10 To 25, Deduct	-23.48	
For >25 To 50, Deduct	-58.71	
For >50 To 100, Deduct	-93.93	
For >100, Deduct	-140.90	
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	569.54	
For >10 To 25, Deduct	-28.48	
For >25 To 50, Deduct	-71.19	
For >50 To 100, Deduct	-113.91	
For >100, Deduct	-170.86	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	683.45	
For >10 To 25, Deduct	-34.17	
For >25 To 50, Deduct	-85.43	
For >50 To 100, Deduct	-136.69	
For >100, Deduct	-205.04	
32 93 53 00-0026 EA 20' Balled And Burlapped Tree Planting	788.60	
For >10 To 25, Deduct	-39.43	
For >25 To 50, Deduct	-98.58	
For >50 To 100, Deduct	-157.72	
For >100, Deduct	-236.58	
32 93 53 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting	262.87	
For >10 To 25, Deduct	-13.14	
For >25 To 50, Deduct	-32.86	
For >50 To 100, Deduct	-52.57	
For >100, Deduct	-78.86	
32 93 53 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting	306.67	
For >10 To 25, Deduct	-15.33	
For >25 To 50, Deduct	-38.33	
For >50 To 100, Deduct	-61.33	
For >100, Deduct	-92.00	
32 93 53 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting	411.82	
For >10 To 25, Deduct	-20.59	
For >25 To 50, Deduct	-51.48	
For >50 To 100, Deduct	-82.36	
For >100, Deduct	-123.55	
32 93 53 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting	473.16	
For >10 To 25, Deduct	-23.66	
For >25 To 50, Deduct	-59.15	
For >50 To 100, Deduct	-94.63	
For >100, Deduct	-141.95	
32 93 53 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting	525.73	
For >10 To 25, Deduct	-26.29	
For >25 To 50, Deduct	-65.72	
For >50 To 100, Deduct	-105.15	
For >100, Deduct	-157.72	
32 93 53 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting	602.83	
For >10 To 25, Deduct	-30.14	
For >25 To 50, Deduct	-75.35	
For >50 To 100, Deduct	-120.57	
For >100, Deduct	-180.85	
32 93 53 00-0033 Planting Shrubs <small>(32 93 53)</small>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0034 EA 1 Gallon Container Shrub Planting.....	14.91	
For >10 To 25, Deduct	-0.75	
For >25 To 50, Deduct	-1.86	
For >50 To 100, Deduct	-2.98	
For >100, Deduct	-4.47	
32 93 53 00-0035 EA 2 Gallon Container Shrub Planting.....	21.03	
For >10 To 25, Deduct	-1.05	
For >25 To 50, Deduct	-2.63	
For >50 To 100, Deduct	-4.21	
For >100, Deduct	-6.31	
32 93 53 00-0036 EA 3 Gallon Container Shrub Planting.....	26.28	
For >10 To 25, Deduct	-1.31	
For >25 To 50, Deduct	-3.29	
For >50 To 100, Deduct	-5.26	
For >100, Deduct	-7.88	
32 93 53 00-0037 EA 4 Gallon Container Shrub Planting.....	35.05	
For >10 To 25, Deduct	-1.75	
For >25 To 50, Deduct	-4.38	
For >50 To 100, Deduct	-7.01	
For >100, Deduct	-10.52	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0038 EA 5 Gallon Container Shrub Planting.....	43.81	
For >10 To 25, Deduct	-2.19	
For >25 To 50, Deduct	-5.48	
For >50 To 100, Deduct	-8.76	
For >100, Deduct	-13.14	
32 93 53 00-0039 EA 7 Gallon Container Shrub Planting.....	59.59	
For >10 To 25, Deduct	-2.98	
For >25 To 50, Deduct	-7.45	
For >50 To 100, Deduct	-11.92	
For >100, Deduct	-17.88	
32 93 53 00-0040 EA 10 Gallon Container Shrub Planting.....	78.85	
For >10 To 25, Deduct	-3.94	
For >25 To 50, Deduct	-9.86	
For >50 To 100, Deduct	-15.77	
For >100, Deduct	-23.66	
32 93 53 00-0041 EA 15 Gallon Container Shrub Planting.....	108.65	
For >10 To 25, Deduct	-5.43	
For >25 To 50, Deduct	-13.58	
For >50 To 100, Deduct	-21.73	
For >100, Deduct	-32.60	
32 93 53 00-0042 EA 20 Gallon Container Shrub Planting.....	182.26	
For >10 To 25, Deduct	-9.11	
For >25 To 50, Deduct	-22.78	
For >50 To 100, Deduct	-36.45	
For >100, Deduct	-54.68	
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting.....	233.43	
For >10 To 25, Deduct	-11.67	
For >25 To 50, Deduct	-29.18	
For >50 To 100, Deduct	-46.69	
For >100, Deduct	-70.03	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting.....	49.07	
For >10 To 25, Deduct	-2.45	
For >25 To 50, Deduct	-6.13	
For >50 To 100, Deduct	-9.81	
For >100, Deduct	-14.72	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting.....	50.82	
For >10 To 25, Deduct	-2.54	
For >25 To 50, Deduct	-6.35	
For >50 To 100, Deduct	-10.16	
For >100, Deduct	-15.25	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting.....	56.07	
For >10 To 25, Deduct	-2.80	
For >25 To 50, Deduct	-7.01	
For >50 To 100, Deduct	-11.21	
For >100, Deduct	-16.82	
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting.....	56.07	
For >10 To 25, Deduct	-2.80	
For >25 To 50, Deduct	-7.01	
For >50 To 100, Deduct	-11.21	
For >100, Deduct	-16.82	
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting.....	61.33	
For >10 To 25, Deduct	-3.07	
For >25 To 50, Deduct	-7.67	
For >50 To 100, Deduct	-12.27	
For >100, Deduct	-18.40	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting.....	64.84	
For >10 To 25, Deduct	-3.24	
For >25 To 50, Deduct	-8.11	
For >50 To 100, Deduct	-12.97	
For >100, Deduct	-19.45	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting.....	70.10	
For >10 To 25, Deduct	-3.51	
For >25 To 50, Deduct	-8.76	
For >50 To 100, Deduct	-14.02	
For >100, Deduct	-21.03	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting.....	105.15	
For >10 To 25, Deduct	-5.26	
For >25 To 50, Deduct	-13.14	
For >50 To 100, Deduct	-21.03	
For >100, Deduct	-31.55	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting.....	148.95	
For >10 To 25, Deduct	-7.45	
For >25 To 50, Deduct	-18.62	
For >50 To 100, Deduct	-29.79	
For >100, Deduct	-44.69	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting.....	198.03	
For >10 To 25, Deduct	-9.90	
For >25 To 50, Deduct	-24.75	
For >50 To 100, Deduct	-39.61	
For >100, Deduct	-59.41	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting.....	224.31	
For >10 To 25, Deduct	-11.22	
For >25 To 50, Deduct	-28.04	
For >50 To 100, Deduct	-44.86	
For >100, Deduct	-67.29	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting	241.83	
For >10 To 25, Deduct	-12.09	
For >25 To 50, Deduct	-30.23	
For >50 To 100, Deduct	-48.37	
For >100, Deduct	-72.55	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting	262.87	
For >10 To 25, Deduct	-13.14	
For >25 To 50, Deduct	-32.86	
For >50 To 100, Deduct	-52.57	
For >100, Deduct	-78.86	
32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)		
See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting	1.46	
For >10 To 25, Deduct	-0.07	
For >25 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.29	
For >100, Deduct	-0.44	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting	1.66	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.50	
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting	1.95	
For >10 To 25, Deduct	-0.10	
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.39	
For >100, Deduct	-0.59	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting	2.34	
For >10 To 25, Deduct	-0.12	
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.70	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting	2.92	
For >10 To 25, Deduct	-0.15	
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-0.58	
For >100, Deduct	-0.88	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting	4.38	
For >10 To 25, Deduct	-0.22	
For >25 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-0.88	
For >100, Deduct	-1.31	
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting	14.02	
For >10 To 25, Deduct	-0.70	
For >25 To 50, Deduct	-1.75	
For >50 To 100, Deduct	-2.80	
For >100, Deduct	-4.21	
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting	19.28	
For >10 To 25, Deduct	-0.96	
For >25 To 50, Deduct	-2.41	
For >50 To 100, Deduct	-3.86	
For >100, Deduct	-5.78	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting	24.54	
For >10 To 25, Deduct	-1.23	
For >25 To 50, Deduct	-3.07	
For >50 To 100, Deduct	-4.91	
For >100, Deduct	-7.36	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting	31.55	
For >10 To 25, Deduct	-1.58	
For >25 To 50, Deduct	-3.94	
For >50 To 100, Deduct	-6.31	
For >100, Deduct	-9.47	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting	38.55	
For >10 To 25, Deduct	-1.93	
For >25 To 50, Deduct	-4.82	
For >50 To 100, Deduct	-7.71	
For >100, Deduct	-11.57	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting	52.57	
For >10 To 25, Deduct	-2.63	
For >25 To 50, Deduct	-6.57	
For >50 To 100, Deduct	-10.51	
For >100, Deduct	-15.77	
32 93 53 00-0070 EA Up To 25 Each Bulb Planting	0.87	
32 93 53 00-0071 EA 26 To 50 Each Bulb Planting	0.78	
32 93 53 00-0072 LOT Lots Of 50 Bulb Planting	32.65	
32 93 53 00-0073 LOT Lots Of 60 Bulb Planting	39.19	
32 93 53 00-0074 LOT Lots Of 100 Bulb Planting	58.78	
32 93 53 00-0075 EA Flats Of 24 Groundcover And Flower Planting	24.53	
For >10 To 25, Deduct	-1.23	
For >25, Deduct	-3.07	
32 93 53 00-0076 EA Flats Of 36 Groundcover And Flower Planting	34.80	
For >10 To 25, Deduct	-1.74	
For >25, Deduct	-4.35	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 53 00-0077	EA		Flats Of 48 Groundcover And Flower Planting.....	46.33	
			<i>For >10 To 25, Deduct</i>	-2.32	
			<i>For >25, Deduct</i>	-5.79	

32 93 53 00-0078

Tree Pits (32 93 53)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 53 00-0079	EA		2' x 1-1/4' Deep Tree Pit.....	89.43	
32 93 53 00-0080	EA		2' x 2-1/2' Deep Tree Pit.....	134.11	
32 93 53 00-0081	EA		2-1/2' x 1-1/2' Deep Tree Pit	172.94	
32 93 53 00-0082	EA		2-1/2' x 3' Deep Tree Pit.....	259.36	
32 93 53 00-0083	EA		3' x 1-3/4' Deep Tree Pit.....	267.46	
32 93 53 00-0084	EA		3' x 3-1/2' Deep Tree Pit.....	399.20	
32 93 53 00-0085	EA		3-1/2' x 1-3/4' Deep Tree Pit	328.06	
32 93 53 00-0086	EA		3-1/2' x 3-1/2' Deep Tree Pit	491.43	
32 93 53 00-0087	EA		4' x 2' Deep Tree Pit.....	392.26	
32 93 53 00-0088	EA		4' x 4' Deep Tree Pit.....	588.07	
32 93 53 00-0089	EA		4-1/2' x 2' Deep Tree Pit.....	565.22	
32 93 53 00-0090	EA		4-1/2' x 4' Deep Tree Pit.....	849.45	
32 93 53 00-0091	EA		5' x 2-1/4' Deep Tree Pit.....	751.80	
32 93 53 00-0092	EA		5' x 4-1/2' Deep Tree Pit.....	1,120.08	
32 93 53 00-0093	EA		6' x 2-1/2' Deep Tree Pit.....	1,066.17	
32 93 53 00-0094	EA		6' x 5' Deep Tree Pit.....	1,596.96	
32 93 53 00-0095	EA		7' x 3' Deep Tree Pit.....	1,796.44	
32 93 53 00-0096	EA		7' x 6' Deep Tree Pit.....	2,708.52	
32 93 53 00-0097	EA		8' x 3-1/4' Deep Tree Pit.....	2,471.29	
32 93 53 00-0098	EA		8' x 6-1/2' Deep Tree Pit.....	3,705.42	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		6" Poly/Vinyl Landscape Edging With Non-Round Top.....	3.60	0.89
			<i>For >2,000 To 5,000 LF, Deduct</i>	-0.18	
			<i>For >5,000 LF, Deduct</i>	-0.36	
32 94 13 00-0003	LF		5" Polyethylene Landscape Edging With Round Top.....	2.36	0.89
			<i>For >2,000 To 5,000 LF, Deduct</i>	-0.06	
			<i>For >5,000 LF, Deduct</i>	-0.11	
32 94 13 00-0004	LF		5-1/2" Polyethylene Landscape Edging With Round Top.....	2.39	0.89
			<i>For >2,000 To 5,000 LF, Deduct</i>	-0.06	
			<i>For >5,000 LF, Deduct</i>	-0.12	
32 94 13 00-0005	LF		5" Polyethylene Landscape Edging With Corrugated Sides And Round Top.....	2.41	0.89
			<i>For >2,000 To 5,000 LF, Deduct</i>	-0.06	
			<i>For >5,000 LF, Deduct</i>	-0.12	
32 94 13 00-0006	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging.....	6.55	2.13
			<i>For >1,000 LF, Deduct</i>	-0.58	
32 94 13 00-0007	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging.....	7.02	2.13
			<i>For >1,000 LF, Deduct</i>	-0.70	
32 94 13 00-0008	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	7.05	2.13
			<i>For >1,000 LF, Deduct</i>	-0.70	
32 94 13 00-0009	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging.....	7.92	2.20
			<i>For >1,000 LF, Deduct</i>	-0.89	
32 94 13 00-0010	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging.....	8.51	2.20
			<i>For >1,000 LF, Deduct</i>	-1.04	
32 94 13 00-0011	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	8.49	2.20
			<i>For >1,000 LF, Deduct</i>	-1.04	
32 94 13 00-0012	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.25	2.27
			<i>For >1,000 LF, Deduct</i>	-0.70	
32 94 13 00-0013	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.91	2.27
			<i>For >1,000 LF, Deduct</i>	-0.86	
32 94 13 00-0014	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	7.97	2.27
			<i>For >1,000 LF, Deduct</i>	-0.88	
32 94 13 00-0015	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.83	2.34
			<i>For >1,000 LF, Deduct</i>	-1.06	
32 94 13 00-0016	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.49	2.34
			<i>For >1,000 LF, Deduct</i>	-1.22	
32 94 13 00-0017	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	9.54	2.34
			<i>For >1,000 LF, Deduct</i>	-1.24	
32 94 13 00-0018	LF		1/8" x 4" Powder Coated Steel Landscape Edging	6.92	2.20
			<i>For >1,000 LF, Deduct</i>	-0.63	
32 94 13 00-0019	LF		3/16" x 4" Powder Coated Steel Landscape Edging	7.88	2.20
			<i>For >1,000 LF, Deduct</i>	-0.87	
32 94 13 00-0020	LF		1/4" x 5" Powder Coated Steel Landscape Edging	10.47	2.20
			<i>For >1,000 LF, Deduct</i>	-1.52	
32 94 13 00-0021	LF		1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.50	2.13
			<i>For >1,000 LF, Deduct</i>	-0.32	



		Exterior Improvements	32
		Planting	32 90
		Planting Accessories	32 94

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0022 LF 1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For >1,000 LF, Deduct</i>	6.08 -0.46	2.13
32 94 13 00-0023 LF 1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For >1,000 LF, Deduct</i>	6.58 -0.59	2.13
32 94 13 00-0024 LF 2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)..... <i>For >1,000 LF, Deduct</i>	6.69 -0.61	2.13
32 94 13 00-0025 LF 4-1/2" x 12" Granite Edging.....	21.53	9.84
32 94 13 00-0026 LF 2" x 8" x 16" Precast Scallops, Green.....	4.40	1.49
32 94 13 00-0027 LF 2" x 8" x 16" Precast Scallops, Other Than Green.....	4.11	1.49
32 94 13 00-0028 LF Brick, Set Horizontally, 1-1/2 Per LF.....	4.37	1.63
32 94 13 00-0029 LF Brick, Set Horizontally, 3 Per LF.....	11.16	4.46
32 94 13 00-0030 LF "V" Trenching By Machine, 4" Deep x 4" Wide.....	1.79	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001 LF 1" x 4" Redwood Edging.....	3.86	1.26
32 94 16 00-0002 LF 2" x 4" Redwood Edging.....	5.27	1.90
32 94 16 00-0003 LF 4" x 6" Pressure Treated Hardwood.....	6.11	2.54
32 94 16 00-0004 LF 6" x 6" Pressure Treated Hardwood.....	7.80	3.17
32 94 16 00-0005 LF 6" x 8" Pressure Treated Hardwood.....	9.13	3.73
32 94 16 00-0006 LF 1" x 4" Pressure Treated Pine.....	2.72	1.26
32 94 16 00-0007 LF 2" x 4" Pressure Treated Pine.....	4.07	1.90
32 94 16 00-0008 LF 4" x 6" Pressure Treated Pine.....	5.83	2.45
32 94 16 00-0009 LF 6" x 6" Pressure Treated Pine.....	7.76	3.17
32 94 16 00-0010 LF 6" x 8" Pressure Treated Pine.....	9.33	3.73
32 94 16 00-0011 LF 6" x 8" Railroad Ties.....	10.89	3.48
32 94 16 00-0012 LF 7" x 9" Railroad Ties.....	13.10	4.37

32 94 23 Plant Protection (32 94)

32 94 23 00-0001 SF Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	1.85	
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32 94 43 Tree Grates (32 94)

32 94 43 00-0001 Tree Grates With Frames (32 94 43)

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003 EA 32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame.....	465.30	45.65
32 94 43 00-0004 EA 36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame.....	533.29	45.65
32 94 43 00-0005 EA 42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame.....	648.72	60.86
32 94 43 00-0006 EA 48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame.....	796.72	60.86
32 94 43 00-0007 EA 54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame.....	1,020.15	76.08
32 94 43 00-0008 EA 60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame.....	1,078.58	91.29
32 94 43 00-0009 EA 60" Diameter, >350 LB Cast Iron Tree Grate With Frame.....	1,181.58	91.29
32 94 43 00-0010 EA 72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	1,578.66	129.33
32 94 43 00-0011 EA 72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,638.66	129.33
32 94 43 00-0012 EA 72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame.....	1,688.66	129.33
32 94 43 00-0013 EA 72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame.....	1,728.66	129.33
32 94 43 00-0014 EA 72" Diameter, >700 LB Cast Iron Tree Grate With Frame.....	1,758.66	129.33
32 94 43 00-0015 EA 93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame.....	1,936.31	152.15

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0017 EA 30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	431.29	45.65
32 94 43 00-0018 EA 36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	516.29	45.65
32 94 43 00-0019 EA 48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame.....	772.15	76.08
32 94 43 00-0020 EA 48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	902.15	76.08
32 94 43 00-0021 EA 48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	1,022.15	76.08
32 94 43 00-0022 EA 48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,132.15	76.08
32 94 43 00-0023 EA 48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	1,232.15	76.08
32 94 43 00-0024 EA 48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,322.15	76.08
32 94 43 00-0025 EA 60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame.....	1,293.02	106.50
32 94 43 00-0026 EA 60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,383.02	106.50
32 94 43 00-0027 EA 60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	1,463.02	106.50
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,533.02	106.50
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,593.02	106.50
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	1,643.02	106.50
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame.....	1,578.66	129.33
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,638.66	129.33
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	1,688.66	129.33
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	1,728.66	129.33
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	1,758.66	129.33
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	1,778.66	129.33
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	1,788.66	129.33
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	1,798.66	129.33

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	796.72	60.86
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	811.72	60.86

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	993.15	76.08
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,160.15	76.08
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,232.15	76.08
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	1,668.66	129.33
32 94 49 Plant And Tree Accessories (32 94)		
32 94 49 00-0001 Tree Guying (32 94 49)		
32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)		
Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	18.61	
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	33.52	
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	57.61	
32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)		
Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	77.53	
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	104.51	
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	133.47	
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	173.01	
32 94 49 00-0011 Tree Wrap (32 94 49)		
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	5.17	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	8.48	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	16.61	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	25.19	
32 94 49 00-0016 Tree Guards (32 94 49)		
32 94 49 00-0017 EA 3' Prefomed Plastic Tree Guard.....	8.07	
32 94 49 00-0018 EA 2' Prefomed Plastic Tree Guard.....	7.59	
32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)		
Note: When no design available.		
32 94 49 00-0020 EA Stake Out Trees Or Shrubs.....	5.27	
32 94 49 00-0021 Root Barriers (32 94 49)		
32 94 49 00-0022 EA 12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	7.44	
32 94 49 00-0023 EA 18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	10.15	
32 94 49 00-0024 EA 24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	11.90	
32 94 49 00-0025 EA 36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	21.47	
32 94 49 00-0026 EA 48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	29.35	
32 96 Transplanting (32 90)		
See CSI section 32 94 49 00-0001 for guying.		
32 96 33 Shrub Transplanting (32 96)		
Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)		
Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002 EA Up To 18" Root Ball, Move Shrubs On Site.....	51.35	
For >25 To 50, Deduct	-5.14	
For >50, Deduct	-7.70	
32 96 33 00-0003 EA >18" To 24" Root Ball, Move Shrubs On Site.....	70.43	
For >25 To 50, Deduct	-7.04	
For >50, Deduct	-10.56	
32 96 33 00-0004 EA >24" To 30" Root Ball, Move Shrubs On Site.....	88.03	
For >25 To 50, Deduct	-8.80	
For >50, Deduct	-13.20	
32 96 33 00-0005 EA >30" To 36" Root Ball, Move Shrubs On Site.....	114.65	
For >25 To 50, Deduct	-11.47	
For >50, Deduct	-17.20	
32 96 43 Tree Transplanting (32 96)		
Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)		
Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.		
32 96 43 00-0002 EA Up To 24" Root Ball, Move Trees On Site.....	214.31	
For >5 To 10, Deduct	-10.72	
For >10 To 20, Deduct	-21.43	
For >20, Deduct	-32.15	



Exterior Improvements		32
Planting		32 90
Transplanting		32 96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0003 EA >24" To 30" Root Ball, Move Trees On Site.....	293.92	
For >5 To 10, Deduct	-14.70	
For >10 To 20, Deduct	-29.39	
For >20, Deduct	-44.09	
32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site.....	476.25	
For >5 To 10, Deduct	-23.81	
For >10 To 20, Deduct	-47.63	
For >20, Deduct	-71.44	
32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site.....	791.30	
For >5 To 10, Deduct	-39.57	
For >10 To 20, Deduct	-79.13	
For >20, Deduct	-118.70	
32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site.....	1,285.87	
For >5 To 10, Deduct	-64.29	
For >10 To 20, Deduct	-128.59	
For >20, Deduct	-192.88	
32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site.....	1,659.19	
For >5 To 10, Deduct	-82.96	
For >10 To 20, Deduct	-165.92	
For >20, Deduct	-248.88	
32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site.....	2,143.11	
For >5 To 10, Deduct	-107.16	
For >10 To 20, Deduct	-214.31	
For >20, Deduct	-321.47	
32 96 43 00-0009 EA >84" To 96" Root Ball, Move Trees On Site.....	2,571.74	
For >5 To 10, Deduct	-128.59	
For >10 To 20, Deduct	-257.17	
For >20, Deduct	-385.76	
32 96 43 00-0010 EA >96" To 120" Root Ball, Move Trees On Site.....	2,922.43	
For >5 To 10, Deduct	-146.12	
For >10 To 20, Deduct	-292.24	
For >20, Deduct	-438.36	

END OF SECTION 32

32	32	Exterior Improvements
	32 90	Planting
	32 96	Transplanting



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities (33)

33 01 30 Operation And Maintenance Of Sewer Utilities (33 01)

33 01 30 11 **Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 16-0001	EA	Remote Visual inspection (RVI) Of Pipe Interior And Culverts <small>(33 01 30 11)</small>			
33 01 30 16-0002		Video Camera Set-up <small>(33 01 30 16-0001)</small>			
33 01 30 16-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert		632.22	
		Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.			
33 01 30 16-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....		1,264.43	
		Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).			
33 01 30 16-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert.....		1,896.65	
33 01 30 16-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....		316.11	
33 01 30 16-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert		632.22	

33 01 30 16-0008 **Video Camera Planning And Analysis Inspection** (33 01 30 16-0001)

Note: For pipe interior and culverts.

33 01 30 16-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....			1.60
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.16	
		For >1,000 To 5,000, Deduct		-0.40	
		For >5,000, Deduct		-0.56	
33 01 30 16-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....			2.14
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.21	
		For >1,000 To 5,000, Deduct		-0.54	
		For >5,000, Deduct		-0.75	
33 01 30 16-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....			2.67
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.27	
		For >1,000 To 5,000, Deduct		-0.67	
		For >5,000, Deduct		-0.93	
33 01 30 16-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....			3.56
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.36	
		For >1,000 To 5,000, Deduct		-0.89	
		For >5,000, Deduct		-1.25	
33 01 30 16-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....			5.00
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.50	
		For >1,000 To 5,000, Deduct		-1.25	
		For >5,000, Deduct		-1.75	
33 01 30 16-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....			6.68
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.67	
		For >1,000 To 5,000, Deduct		-1.67	
		For >5,000, Deduct		-2.34	
33 01 30 16-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....			9.43
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.94	
		For >1,000 To 5,000, Deduct		-2.36	
		For >5,000, Deduct		-3.30	
33 01 30 16-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....			13.36
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-1.34	
		For >1,000 To 5,000, Deduct		-3.34	
		For >5,000, Deduct		-4.68	

33 01 30 16-0017 **Video Camera Pre-Rehab For Pipe Interior And Culverts** (33 01 30 16-0001)

33 01 30 16-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....			2.37
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.24	
		For >1,000 To 5,000, Deduct		-0.59	
		For >5,000, Deduct		-0.83	
33 01 30 16-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....			3.16
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.32	
		For >1,000 To 5,000, Deduct		-0.79	
		For >5,000, Deduct		-1.11	
33 01 30 16-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....			3.95
		Note: CCTV inspection of pipe interior.			
		For >500 To 1,000, Deduct		-0.40	
		For >1,000 To 5,000, Deduct		-0.99	
		For >5,000, Deduct		-1.38	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 16-0021	LF		>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....5.27 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.53	
			For >1,000 To 5,000, Deduct	-1.32	
			For >5,000, Deduct	-1.84	
33 01 30 16-0022	LF		>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....7.41 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.74	
			For >1,000 To 5,000, Deduct	-1.85	
			For >5,000, Deduct	-2.59	
33 01 30 16-0023	LF		>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....9.88 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.99	
			For >1,000 To 5,000, Deduct	-2.47	
			For >5,000, Deduct	-3.46	
33 01 30 16-0024	LF		>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....13.95 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.40	
			For >1,000 To 5,000, Deduct	-3.49	
			For >5,000, Deduct	-4.88	
33 01 30 16-0025	LF		>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....19.75 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.98	
			For >1,000 To 5,000, Deduct	-4.94	
			For >5,000, Deduct	-6.91	
33 01 30 16-0026			Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 16-0001)		
33 01 30 16-0027	LF		4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase .....1.69 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 5,000, Deduct	-0.42	
			For >5,000, Deduct	-0.59	
33 01 30 16-0028	LF		>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase .....2.26 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-0.79	
33 01 30 16-0029	LF		>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase .....2.82 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.28	
			For >1,000 To 5,000, Deduct	-0.71	
			For >5,000, Deduct	-0.99	
33 01 30 16-0030	LF		>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase .....3.76 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.38	
			For >1,000 To 5,000, Deduct	-0.94	
			For >5,000, Deduct	-1.32	
33 01 30 16-0031	LF		>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase .....5.29 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.53	
			For >1,000 To 5,000, Deduct	-1.32	
			For >5,000, Deduct	-1.85	
33 01 30 16-0032	LF		>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase .....7.05 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.71	
			For >1,000 To 5,000, Deduct	-1.76	
			For >5,000, Deduct	-2.47	
33 01 30 16-0033	LF		>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase .....9.97 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.00	
			For >1,000 To 5,000, Deduct	-2.49	
			For >5,000, Deduct	-3.49	
33 01 30 16-0034	LF		>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase .....14.12 Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.41	
			For >1,000 To 5,000, Deduct	-3.53	
			For >5,000, Deduct	-4.94	
33 01 30 41			Cleaning of Sewers (33 01 30)		
33 01 30 41-0001			Pipe Line Cleaning And Flushing (33 01 30 41) Note: Includes flushing. Owner provided water.		
33 01 30 41-0002			Pipe Line Cleaning (33 01 30 41-0001) Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003			Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004	EA		Initial Set Up And Final Equipment Removal For Jet Cleaning .....1,960.93		
33 01 30 41-0005	EA		Move And Reset Up At Different Access/Location For Jet Cleaning .....490.23		
33 01 30 41-0006			Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.63	
<i>For >250 To 500, Deduct</i>	-0.13	
<i>For >500 To 1,000, Deduct</i>	-0.26	
<i>For >1,000 To 2,000, Deduct</i>	-0.39	
<i>For >2,000 To 5,000, Deduct</i>	-0.53	
<i>For >5,000, Deduct</i>	-0.66	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.97	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.02	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.30	
<i>For >1,000 To 2,000, Deduct</i>	-0.45	
<i>For >2,000 To 5,000, Deduct</i>	-0.60	
<i>For >5,000, Deduct</i>	-0.76	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.27	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.56	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.36	
<i>For >1,000 To 2,000, Deduct</i>	-0.53	
<i>For >2,000 To 5,000, Deduct</i>	-0.71	
<i>For >5,000, Deduct</i>	-0.89	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.67	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.39	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.44	
<i>For >1,000 To 2,000, Deduct</i>	-0.66	
<i>For >2,000 To 5,000, Deduct</i>	-0.88	
<i>For >5,000, Deduct</i>	-1.10	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.29	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.98	
<i>For >250 To 500, Deduct</i>	-0.25	
<i>For >500 To 1,000, Deduct</i>	-0.50	
<i>For >1,000 To 2,000, Deduct</i>	-0.75	
<i>For >2,000 To 5,000, Deduct</i>	-1.00	
<i>For >5,000, Deduct</i>	-1.25	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.74	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.76	
<i>For >250 To 500, Deduct</i>	-0.29	
<i>For >500 To 1,000, Deduct</i>	-0.58	
<i>For >1,000 To 2,000, Deduct</i>	-0.86	
<i>For >2,000 To 5,000, Deduct</i>	-1.15	
<i>For >5,000, Deduct</i>	-1.44	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.32	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.92	
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.04	
<i>For >2,000 To 5,000, Deduct</i>	-1.38	
<i>For >5,000, Deduct</i>	-1.73	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.19	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.86	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 1,000, Deduct</i>	-0.79	
<i>For >1,000 To 2,000, Deduct</i>	-1.18	
<i>For >2,000 To 5,000, Deduct</i>	-1.57	
<i>For >5,000, Deduct</i>	-1.97	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.90	
33 01 30 41-0015 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.28	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500 To 1,000, Deduct</i>	-0.93	
<i>For >1,000 To 2,000, Deduct</i>	-1.39	
<i>For >2,000 To 5,000, Deduct</i>	-1.86	
<i>For >5,000, Deduct</i>	-2.32	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	6.96	
33 01 30 41-0016 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.67	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500 To 1,000, Deduct</i>	-1.17	
<i>For >1,000 To 2,000, Deduct</i>	-1.75	
<i>For >2,000 To 5,000, Deduct</i>	-2.33	
<i>For >5,000, Deduct</i>	-2.92	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	8.75	
33 01 30 41-0017 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	13.61	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500 To 1,000, Deduct</i>	-1.36	
<i>For >1,000 To 2,000, Deduct</i>	-2.04	
<i>For >2,000 To 5,000, Deduct</i>	-2.72	
<i>For >5,000, Deduct</i>	-3.40	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	10.21	
33 01 30 41-0018 Flushing Of Storm Water Pipelines <small>(33 01 30 41-0002)</small>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0019 LF 12" To 16" Diameter Pipe Line Flushing	1.13	
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.17	
<i>For >2,000 To 5,000, Deduct</i>	-0.23	
<i>For >5,000, Deduct</i>	-0.28	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020 LF >16" To 24" Diameter Pipe Line Flushing	1.29	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.19	
For >2,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.32	
33 01 30 41-0021 LF >24" To 30" Diameter Pipe Line Flushing	1.52	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.38	
33 01 30 41-0022 LF >30" To 42" Diameter Pipe Line Flushing	1.76	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.44	
33 01 30 41-0023 LF >42" To 60" Diameter Pipe Line Flushing	2.34	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.35	
For >2,000 To 5,000, Deduct	-0.47	
For >5,000, Deduct	-0.59	
33 01 30 41-0024 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0025 LF Jet Cleaning Of Culvert, 0-250 LF	12.20	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-1.22	
For >1,000 To 2,000, Deduct	-1.83	
For >2,000 To 5,000, Deduct	-2.44	
For >5,000, Deduct	-3.05	
33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0027 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning	922.46	
33 01 30 41-0028 EA Move And Reset Up At Different Access/Location	307.49	
33 01 30 41-0029 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.28	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-0.77	
For >2,000 To 5,000, Deduct	-1.03	
For >5,000, Deduct	-1.28	
33 01 30 41-0030 LF 6" Diameter Pipe Line Cleaning, Mechanical Method	6.89	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-0.99	
For >2,000 To 5,000, Deduct	-1.32	
For >5,000, Deduct	-1.65	
33 01 30 41-0031 LF 8" Diameter Pipe Line Cleaning, Mechanical Method	8.06	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 2,000, Deduct	-1.15	
For >2,000 To 5,000, Deduct	-1.54	
For >5,000, Deduct	-1.92	
33 01 30 41-0032 LF 10" Diameter Pipe Line Cleaning, Mechanical Method	9.32	
For >250 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.89	
For >1,000 To 2,000, Deduct	-1.33	
For >2,000 To 5,000, Deduct	-1.77	
For >5,000, Deduct	-2.22	
33 01 30 41-0033 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	10.14	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,000, Deduct	-1.44	
For >2,000 To 5,000, Deduct	-1.92	
For >5,000, Deduct	-2.40	
33 01 30 41-0034 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	11.66	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-1.10	
For >1,000 To 2,000, Deduct	-1.65	
For >2,000 To 5,000, Deduct	-2.20	
For >5,000, Deduct	-2.75	
33 01 30 41-0035 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	14.62	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.36	
For >1,000 To 2,000, Deduct	-2.04	
For >2,000 To 5,000, Deduct	-2.71	
For >5,000, Deduct	-3.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0036 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	16.63	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500 To 1,000, Deduct</i>	-1.51	
<i>For >1,000 To 2,000, Deduct</i>	-2.27	
<i>For >2,000 To 5,000, Deduct</i>	-3.03	
<i>For >5,000, Deduct</i>	-3.78	
33 01 30 41-0037 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	19.28	
<i>For >250 To 500, Deduct</i>	-0.87	
<i>For >500 To 1,000, Deduct</i>	-1.74	
<i>For >1,000 To 2,000, Deduct</i>	-2.61	
<i>For >2,000 To 5,000, Deduct</i>	-3.48	
<i>For >5,000, Deduct</i>	-4.35	
33 01 30 41-0038 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	25.32	
<i>For >250 To 500, Deduct</i>	-1.15	
<i>For >500 To 1,000, Deduct</i>	-2.31	
<i>For >1,000 To 2,000, Deduct</i>	-3.46	
<i>For >2,000 To 5,000, Deduct</i>	-4.61	
<i>For >5,000, Deduct</i>	-5.77	
33 01 30 41-0039 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	28.63	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500 To 1,000, Deduct</i>	-2.56	
<i>For >1,000 To 2,000, Deduct</i>	-3.84	
<i>For >2,000 To 5,000, Deduct</i>	-5.12	
<i>For >5,000, Deduct</i>	-6.41	
33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0041 EA Initial Set Up And Final Equipment Removal For Auguring.....	922.46	
33 01 30 41-0042 EA Move And Reset Up At Different Location	307.49	
33 01 30 41-0043 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.07	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.31	
<i>For >1,000 To 2,000, Deduct</i>	-0.46	
<i>For >2,000 To 5,000, Deduct</i>	-0.61	
<i>For >5,000, Deduct</i>	-0.77	
33 01 30 41-0044 LF 6" Diameter Pipe Line Auguring/Rod Out.....	3.97	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500 To 1,000, Deduct</i>	-0.40	
<i>For >1,000 To 2,000, Deduct</i>	-0.60	
<i>For >2,000 To 5,000, Deduct</i>	-0.79	
<i>For >5,000, Deduct</i>	-0.99	
33 01 30 41-0045 LF 8" Diameter Pipe Line Auguring/Rod Out.....	4.61	
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500 To 1,000, Deduct</i>	-0.46	
<i>For >1,000 To 2,000, Deduct</i>	-0.69	
<i>For >2,000 To 5,000, Deduct</i>	-0.92	
<i>For >5,000, Deduct</i>	-1.15	
33 01 30 41-0046 LF 10" Diameter Pipe Line Auguring/Rod Out.....	5.37	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500 To 1,000, Deduct</i>	-0.54	
<i>For >1,000 To 2,000, Deduct</i>	-0.81	
<i>For >2,000 To 5,000, Deduct</i>	-1.07	
<i>For >5,000, Deduct</i>	-1.34	
33 01 30 41-0047 LF 12" Diameter Pipe Line Auguring/Rod Out.....	5.77	
<i>For >250 To 500, Deduct</i>	-0.29	
<i>For >500 To 1,000, Deduct</i>	-0.58	
<i>For >1,000 To 2,000, Deduct</i>	-0.87	
<i>For >2,000 To 5,000, Deduct</i>	-1.15	
<i>For >5,000, Deduct</i>	-1.44	
33 01 30 41-0048 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	6.59	
<i>For >250 To 500, Deduct</i>	-0.33	
<i>For >500 To 1,000, Deduct</i>	-0.66	
<i>For >1,000 To 2,000, Deduct</i>	-0.99	
<i>For >2,000 To 5,000, Deduct</i>	-1.32	
<i>For >5,000, Deduct</i>	-1.65	
33 01 30 41-0049 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	8.09	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500 To 1,000, Deduct</i>	-0.81	
<i>For >1,000 To 2,000, Deduct</i>	-1.21	
<i>For >2,000 To 5,000, Deduct</i>	-1.62	
<i>For >5,000, Deduct</i>	-2.02	
33 01 30 41-0050 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	9.05	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500 To 1,000, Deduct</i>	-0.91	
<i>For >1,000 To 2,000, Deduct</i>	-1.36	
<i>For >2,000 To 5,000, Deduct</i>	-1.81	
<i>For >5,000, Deduct</i>	-2.26	
33 01 30 41-0051 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	10.49	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500 To 1,000, Deduct</i>	-1.05	
<i>For >1,000 To 2,000, Deduct</i>	-1.57	
<i>For >2,000 To 5,000, Deduct</i>	-2.10	
<i>For >5,000, Deduct</i>	-2.62	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0052 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	14.41	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.44	
For >1,000 To 2,000, Deduct	-2.16	
For >2,000 To 5,000, Deduct	-2.88	
For >5,000, Deduct	-3.60	
33 01 30 41-0053 LF >60" Diameter Pipe Line Auguring/Rod Out.....	15.38	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.54	
For >1,000 To 2,000, Deduct	-2.31	
For >2,000 To 5,000, Deduct	-3.08	
For >5,000, Deduct	-3.85	
33 01 30 42 Cleaning of Manholes (33 01 30)		
33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)		
Note: Includes flushing. Owner provided water.		
33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)		
33 01 30 42-0003 EA Rod Out Sewer Catch Basin	77.35	
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure.....	193.37	
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	700.98	
For >10 To 100, Deduct	-105.15	
For >100 To 250, Deduct	-157.72	
For >250, Deduct	-210.29	
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	841.17	
For >10 To 100, Deduct	-126.18	
For >100 To 250, Deduct	-189.26	
For >250, Deduct	-252.35	
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand	420.59	
For >10 To 100, Deduct	-63.09	
For >100 To 250, Deduct	-94.63	
For >250, Deduct	-126.18	
33 01 30 42-0008 EA Up To 6" Diameter Pipe, Rod Out Blockage	15.47	
33 01 30 42-0009 EA 8" Diameter Pipe, Rod Out Blockage	17.02	
33 01 30 42-0010 EA 10" Diameter Pipe, Rod Out Blockage	19.34	
33 01 30 42-0011 EA 12" Diameter Pipe, Rod Out Blockage	22.43	
33 01 30 42-0012 EA >12" To 16" Diameter Pipe, Rod Out Blockage.....	26.29	
33 01 30 42-0013 EA >16" To 24" Diameter Pipe, Rod Out Blockage	30.93	
33 01 30 42-0014 EA >24" To 30" Diameter Pipe, Rod Out Blockage.....	36.36	
33 01 30 42-0015 EA >30" To 42" Diameter Pipe, Rod Out Blockage.....	41.77	
33 01 30 42-0016 EA >42" To 60" Diameter Pipe, Rod Out Blockage.....	48.73	
33 01 30 42-0017 EA >60" Diameter Pipe, Rod Out Blockage	58.01	
33 01 30 42-0018 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)		
Note: Includes removal of debris. Excludes disposal.		
33 01 30 42-0019 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	81.71	
33 01 30 42-0020 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	102.13	
33 01 30 42-0021 EA Vacuum Out 1 To 2 Catch Basins Or Manholes	1,068.62	
Note: Includes vacuum pump equipment.		
33 01 30 42-0022 EA Vacuum Out 3 To 10 Catch Basins Or Manholes	801.46	
Note: Includes vacuum pump equipment.		
33 01 30 42-0023 EA Vacuum Out 11 To 25 Catch Basins Or Manholes	534.30	
Note: Includes vacuum pump equipment.		
33 01 30 42-0024 EA Vacuum Out 26 To 100 Catch Basins Or Manholes	467.52	
Note: Includes vacuum pump equipment.		
33 01 30 42-0025 EA Vacuum Out 101 To 250 Catch Basins Or Manholes.....	434.13	
Note: Includes vacuum pump equipment.		
33 01 30 42-0026 EA Vacuum Out >250 Catch Basins Or Manholes.....	400.73	
Note: Includes vacuum pump equipment.		
33 01 30 42-0027 EA Pump Out Blocked Manhole, 3' To 4' Diameter Includes Pump Equipment.....	309.40	
33 01 30 42-0028 EA Pump Out Blocked Manhole, 5' To 6' Diameter Includes Pump Equipment.....	464.09	
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)		
Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	109.46	
For Stainless Steel Nuts And Bolts, Add	18.76	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	156.74	
For Stainless Steel Nuts And Bolts, Add	28.27	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	181.56	
For Stainless Steel Nuts And Bolts, Add	33.30	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	207.12	
For Stainless Steel Nuts And Bolts, Add	38.31	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	118.17	
For Stainless Steel Nuts And Bolts, Add	20.38	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	166.69	
For Stainless Steel Nuts And Bolts, Add	30.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	191.41 35.08	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	221.57 41.05	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	127.35 22.29	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	173.51 31.55	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	200.96 36.99	
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	234.87 43.91	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	143.64 25.34	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	190.19 34.12	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	230.76 41.53	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	278.05 50.10	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	364.83 67.29	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	454.46 84.48	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	554.83 103.63	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	168.94 29.91	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	225.02 40.57	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	266.36 47.84	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	311.74 55.59	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	434.26 80.56	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	528.24 98.23	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	630.97 117.39	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	217.81 35.78	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	283.65 47.35	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	342.48 57.30	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	408.89 68.28	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	545.83 94.59	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	652.82 113.10	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	772.53 133.12	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	256.25 43.55	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	345.54 60.24	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	406.59 70.43	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	499.35 87.11	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	658.45 118.16	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	747.68 132.06	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	965.26 174.23	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	291.37 49.12	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	381.30 65.33	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	460.41 79.05	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	567.14 98.23	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	732.18 129.75	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	860.29 151.52	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,096.15 196.47	

33 Utilities
33 01 Operation And Maintenance Of Utilities
33 01 30 Operation And Maintenance Of Sewer Utilities



MINOR CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

Table with columns for item code, description, and unit cost. Includes sub-headers like 'Pipe Repair Clamp, Full Circle, Double Bands' and detailed line items for various pipe sizes and materials.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01	30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,194.87 641.50	
	33 01	30 51-0079		Repair Couplings and Fittings (33 01 30 51-0001)		
	33 01	30 51-0080		Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
	33 01	30 51-0081		Copper Compression Repair Couplings (33 01 30 51-0080)		
	33 01	30 51-0082	EA	1/2" Copper Compression Repair Coupling	38.77	
	33 01	30 51-0083	EA	3/4" Copper Compression Repair Coupling	45.45	
	33 01	30 51-0084	EA	1" Copper Compression Repair Coupling	53.33	
	33 01	30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	60.24	
	33 01	30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	88.41	
	33 01	30 51-0087		Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
	33 01	30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	44.59	
	33 01	30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	54.16	
	33 01	30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	101.64	
	33 01	30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	46.37	
	33 01	30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	41.09	
	33 01	30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	48.05	
	33 01	30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	58.13	
	33 01	30 51-0095		Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
	33 01	30 51-0096	EA	1/2" Copper Compression Repair Tee	78.47	
	33 01	30 51-0097	EA	3/4" Copper Compression Repair Tee	67.14	
	33 01	30 51-0098	EA	1" Copper Compression Repair Tee	79.38	
	33 01	30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee.....	69.06	
	33 01	30 51-0100		Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
	33 01	30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	37.93	
	33 01	30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	32.42	
	33 01	30 51-0103	EA	1" M x 1" CTS Male Adapter	38.17	
	33 01	30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	48.10	
	33 01	30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter.....	54.64	
	33 01	30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter.....	60.67	
	33 01	30 51-0107		Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
	33 01	30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	43.47	
	33 01	30 51-0109	EA	1" M x 1" CTS Female Adapter	47.98	
	33 01	30 51-0110		Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 90.		
	33 01	30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110) Note: Includes gaskets.		
	33 01	30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	42.96	
	33 01	30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	43.98	
	33 01	30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	49.65	
	33 01	30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	55.37	
	33 01	30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	68.49	
	33 01	30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	83.24	
	33 01	30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	44.09	
	33 01	30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	45.22	
	33 01	30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	49.83	
	33 01	30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	55.94	
	33 01	30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	70.37	
	33 01	30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	84.07	
	33 01	30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	82.59	
	33 01	30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	96.61	
	33 01	30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	100.87	
	33 01	30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	113.89	
	33 01	30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....	138.51	
	33 01	30 51-0129		Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110) Note: Includes armored gaskets.		
	33 01	30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	47.73	
	33 01	30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	50.87	
	33 01	30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression).....	57.42	
	33 01	30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression).....	59.49	
	33 01	30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression).....	111.81	
	33 01	30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression).....	71.70	
	33 01	30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression).....	72.00	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0137 EA 2" x 3/4" Reducing Coupling (Compression).....	133.57	
33 01 30 51-0138 EA 2" x 1" Reducing Coupling (Compression).....	122.05	
33 01 30 51-0139 EA 2" x 1-1/4" Reducing Coupling (Compression).....	94.63	
33 01 30 51-0140 EA 2" x 1-1/2" Reducing Coupling (Compression).....	94.33	
33 01 30 51-0141 Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0142 EA 1" 45 Degree Elbow (Compression).....	77.32	
33 01 30 51-0143 EA 1-1/4" 45 Degree Elbow (Compression).....	80.92	
33 01 30 51-0144 EA 1-1/2" 45 Degree Elbow (Compression).....	104.36	
33 01 30 51-0145 EA 2" 45 Degree Elbow (Compression).....	131.42	
33 01 30 51-0146 EA 3/4" 90 Degree Elbow (Compression).....	52.52	
33 01 30 51-0147 EA 1" 90 Degree Elbow (Compression).....	54.87	
33 01 30 51-0148 EA 1-1/4" 90 Degree Elbow (Compression).....	64.16	
33 01 30 51-0149 EA 1-1/2" 90 Degree Elbow (Compression).....	90.77	
33 01 30 51-0150 EA 2" 90 Degree Elbow (Compression).....	99.98	
33 01 30 51-0151 EA 3/4" Plain End 90 Degree Street Elbow (Compression).....	52.67	
33 01 30 51-0152 EA 1" Plain End 90 Degree Street Elbow (Compression).....	47.40	
33 01 30 51-0153 EA 1-1/4" Plain End 90 Degree Street Elbow (Compression).....	53.59	
33 01 30 51-0154 EA 1-1/2" Plain End 90 Degree Street Elbow (Compression).....	67.71	
33 01 30 51-0155 EA 2" Plain End 90 Degree Street Elbow (Compression).....	86.95	
33 01 30 51-0156 EA 3/4" Threaded End 90 Degree Street Elbow (Compression).....	54.30	
33 01 30 51-0157 EA 1" Threaded End 90 Degree Street Elbow (Compression).....	50.44	
33 01 30 51-0158 EA 1-1/4" Threaded End 90 Degree Street Elbow (Compression).....	64.88	
33 01 30 51-0159 EA 1-1/2" Threaded End 90 Degree Street Elbow (Compression).....	78.49	
33 01 30 51-0160 EA 2" Threaded End 90 Degree Street Elbow (Compression).....	110.00	
33 01 30 51-0161 Steel Compression Repair Fittings, Tees (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0162 EA 3/4" Street Tee (Compression).....	59.17	
33 01 30 51-0163 EA 1" Street Tee (Compression).....	69.58	
33 01 30 51-0164 EA 1-1/4" Street Tee (Compression).....	71.14	
33 01 30 51-0165 EA 1-1/2" Street Tee (Compression).....	82.82	
33 01 30 51-0166 EA 2" Street Tee (Compression).....	122.55	
33 01 30 51-0167 EA 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....	70.55	
33 01 30 51-0168 EA 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	73.50	
33 01 30 51-0169 EA 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	92.04	
33 01 30 51-0170 EA 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	105.35	
33 01 30 51-0171 EA 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	105.93	
33 01 30 51-0172 EA 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	90.79	
33 01 30 51-0173 EA 2" x 1-1/4" x 2" Reducing Street Tee (Compression).....	119.68	
33 01 30 51-0174 EA 2" x 1-1/2" x 2" Reducing Street Tee (Compression).....	134.45	
33 01 30 51-0175 EA 3/4" Welding Street Tee (Compression).....	103.50	
33 01 30 51-0176 EA 1" Welding Street Tee (Compression).....	104.68	
33 01 30 51-0177 EA 1-1/4" Welding Street Tee (Compression).....	112.73	
33 01 30 51-0178 EA 1-1/2" Welding Street Tee (Compression).....	136.02	
33 01 30 51-0179 EA 2" Welding Street Tee (Compression).....	181.89	
33 01 30 51-0180 EA 3/4" Regular Tee (Compression).....	77.71	
33 01 30 51-0181 EA 1" Regular Tee (Compression).....	132.82	
33 01 30 51-0182 EA 1-1/4" Regular Tee (Compression).....	140.81	
33 01 30 51-0183 EA 1-1/2" Regular Tee (Compression).....	152.49	
33 01 30 51-0184 EA 2" Regular Tee (Compression).....	169.92	
33 01 30 51-0185 EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression).....	167.55	
33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0187 EA 3/4" Male Adapter (Compression).....	52.38	
33 01 30 51-0188 EA 1" Male Adapter (Compression).....	58.56	
33 01 30 51-0189 EA 1-1/4" Male Adapter (Compression).....	75.68	
33 01 30 51-0190 EA 1-1/2" Male Adapter (Compression).....	86.04	
33 01 30 51-0191 EA 2" Male Adapter (Compression).....	97.51	
33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression).....	75.30	
33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0194 EA 3/4" Line Caps (Compression).....	28.00	
33 01 30 51-0195 EA 1" Line Caps (Compression).....	32.60	
33 01 30 51-0196 EA 1-1/4" Line Caps (Compression).....	37.28	
33 01 30 51-0197 EA 1-1/2" Line Caps (Compression).....	44.06	
33 01 30 51-0198 EA 2" Line Caps (Compression).....	54.30	
33 01 30 51-0199 Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket, Dresser style 38		
33 01 30 51-0200 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	36.37	
33 01 30 51-0201 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	46.03	
33 01 30 51-0202 EA 1" Coupling, 5" Middle Ring With Buna S Gasket.....	54.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0203	EA		1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	66.74	
33 01 30 51-0204	EA		2" Coupling, 4" Middle Ring With Buna S Gasket	82.39	
33 01 30 51-0205	EA		2" Coupling, 5" Middle Ring With Buna S Gasket	99.65	
33 01 30 51-0206	EA		2" Coupling, 7" Middle Ring With Buna S Gasket	95.36	
33 01 30 51-0207	EA		3" Coupling, 4" Middle Ring With Buna S Gasket	128.47	
33 01 30 51-0208	EA		3" Coupling, 5" Middle Ring With Buna S Gasket	131.07	
33 01 30 51-0209	EA		3" Coupling, 7" Middle Ring With Buna S Gasket	133.67	
33 01 30 51-0210	EA		4" Coupling, 4" Middle Ring With Buna S Gasket	153.11	
33 01 30 51-0211	EA		4" Coupling, 5" Middle Ring With Buna S Gasket	157.52	
33 01 30 51-0212	EA		4" Coupling, 7" Middle Ring With Buna S Gasket	163.05	
33 01 30 51-0213	EA		5" Coupling, 4" Middle Ring With Buna S Gasket	193.59	
33 01 30 51-0214	EA		5" Coupling, 5" Middle Ring With Buna S Gasket	195.33	
33 01 30 51-0215	EA		5" Coupling, 7" Middle Ring With Buna S Gasket	201.67	
33 01 30 51-0216	EA		6" Coupling, 4" Middle Ring With Buna S Gasket	211.35	
33 01 30 51-0217	EA		6" Coupling, 5" Middle Ring With Buna S Gasket	216.06	
33 01 30 51-0218	EA		6" Coupling, 7" Middle Ring With Buna S Gasket	222.08	
33 01 30 51-0219	EA		8" Coupling, 4" Middle Ring With Buna S Gasket	247.16	
33 01 30 51-0220	EA		8" Coupling, 5" Middle Ring With Buna S Gasket	254.13	
33 01 30 51-0221	EA		8" Coupling, 7" Middle Ring With Buna S Gasket	259.85	
33 01 30 51-0222	EA		10" Coupling, 5" Middle Ring With Buna S Gasket	295.48	
33 01 30 51-0223	EA		10" Coupling, 7" Middle Ring With Buna S Gasket	328.37	
33 01 30 51-0224	EA		12" Coupling, 5" Middle Ring With Buna S Gasket	335.43	
33 01 30 51-0225	EA		12" Coupling, 7" Middle Ring With Buna S Gasket	405.15	
33 01 30 51-0226	EA		14" Coupling, 7" Middle Ring With Buna S Gasket	462.32	
33 01 30 51-0227	EA		16" Coupling, 7" Middle Ring With Buna S Gasket	540.09	
33 01 30 51-0228	EA		18" Coupling, 7" Middle Ring With Buna S Gasket	592.03	
33 01 30 51-0229	EA		20" Coupling, 7" Middle Ring With Buna S Gasket	638.77	
33 01 30 51-0230	EA		22" Coupling, 7" Middle Ring With Buna S Gasket	772.61	
33 01 30 51-0231	EA		24" Coupling, 7" Middle Ring With Buna S Gasket	815.45	

33 01 30 51-0232

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna S gasket, protected, Dresser style 38.

33 01 30 51-0233	EA		1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	37.12	
33 01 30 51-0234	EA		3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	45.93	
33 01 30 51-0235	EA		1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	54.29	
33 01 30 51-0236	EA		1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	66.40	
33 01 30 51-0237	EA		2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	92.31	
33 01 30 51-0238	EA		2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	90.94	
33 01 30 51-0239	EA		2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	91.63	
33 01 30 51-0240	EA		3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	133.67	
33 01 30 51-0241	EA		3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	136.27	
33 01 30 51-0242	EA		3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	138.87	
33 01 30 51-0243	EA		4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	160.19	
33 01 30 51-0244	EA		4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	155.61	
33 01 30 51-0245	EA		4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	158.02	
33 01 30 51-0246	EA		5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	202.71	
33 01 30 51-0247	EA		5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	203.99	
33 01 30 51-0248	EA		5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	262.96	
33 01 30 51-0249	EA		6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	214.14	
33 01 30 51-0250	EA		6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	220.91	
33 01 30 51-0251	EA		6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	223.52	
33 01 30 51-0252	EA		8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	262.29	
33 01 30 51-0253	EA		8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	264.86	
33 01 30 51-0254	EA		8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	269.00	
33 01 30 51-0255	EA		10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	301.72	
33 01 30 51-0256	EA		10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	334.87	
33 01 30 51-0257	EA		12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	341.93	
33 01 30 51-0258	EA		12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	411.51	
33 01 30 51-0259	EA		14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	468.82	
33 01 30 51-0260	EA		16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	549.84	
33 01 30 51-0261	EA		18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	605.03	
33 01 30 51-0262	EA		20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	651.77	
33 01 30 51-0263	EA		22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	785.61	
33 01 30 51-0264	EA		24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	828.45	

33 01 30 51-0265

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna N gasket, protected, Dresser style 38.

33 01 30 51-0266	EA		1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	41.74	
33 01 30 51-0267	EA		3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	50.63	
33 01 30 51-0268	EA		1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	59.81	
33 01 30 51-0269	EA		1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	73.57	
33 01 30 51-0270	EA		2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	92.31	
33 01 30 51-0271	EA		2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	103.92	
33 01 30 51-0272	EA		2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	107.78	
33 01 30 51-0273	EA		3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	133.67	
33 01 30 51-0274	EA		3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	136.27	
33 01 30 51-0275	EA		3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	138.87	
33 01 30 51-0276	EA		4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	160.19	
33 01 30 51-0277	EA		4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	169.46	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	172.99	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	202.71	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	203.99	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	218.87	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	214.14	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	220.91	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	223.52	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	262.29	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	264.86	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	269.00	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	301.72	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	334.87	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	341.93	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	411.51	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	468.82	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	540.09	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	605.03	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	651.77	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	785.61	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	828.45	

33 01 30 51-0298**Couplings For Steel Pipe (33 01 30 51-0079)**

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	66.94	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	74.72	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	82.66	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	119.80	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	126.92	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	130.54	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	158.73	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	157.91	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	182.46	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	185.99	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	244.35	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	249.03	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	265.01	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	268.12	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	284.59	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	331.11	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	350.08	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	366.45	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	366.39	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	452.65	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	466.94	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	534.11	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	650.47	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	649.23	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	718.72	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	777.16	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	841.45	

33 01 30 51-0326**Temporary Bypass And Service Lines (33 01 30 51-0001)**

Note: Laid on ground, includes fittings and connections. Remove after use.

33 01 30 51-0327**Temporary Water Service Lines (33 01 30 51-0326)**

Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.

33 01 30 51-0328	LF	1/2" Temporary Service Hose With Fittings.....	2.08	
		Note: Includes removal after use.		
33 01 30 51-0329	LF	3/4" Temporary Service Hose With Fittings.....	2.65	
		Note: Includes removal after use.		
33 01 30 51-0330	LF	1" Temporary Service Hose With Fittings.....	3.07	
		Note: Includes removal after use.		
33 01 30 51-0331	LF	1-1/2" Temporary Service Hose With Fittings.....	3.65	
		Note: Includes removal after use.		
33 01 30 51-0332	LF	2" Temporary Service Hose With Fittings.....	4.48	
		Note: Includes removal after use.		
33 01 30 51-0333	EA	Temporary Service Valve Assembly At Fire Hydrant.....	233.41	
		Note: Includes removal after use.		

33 01 30 51-0334**Temporary Bypass Water Main Lines (33 01 30 51-0326)**

Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.

33 01 30 51-0335	LF	2" Temporary Bypass Pipe With Fittings.....	4.70	
		Note: Includes removal after use.		
		For >500 To 1,000, Deduct	-0.32	
		For >1,000 To 5,000, Deduct	-0.65	
		For >5,000, Deduct	-1.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0336 LF 4" Temporary Bypass Pipe With Fittings.....	6.10	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.42	
For >1,000 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.39	
33 01 30 51-0337 LF 6" Temporary Bypass Pipe With Fittings.....	7.60	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.49	
For >1,000 To 5,000, Deduct	-0.97	
For >5,000, Deduct	-1.62	
33 01 30 51-0338 LF 8" Temporary Bypass Pipe With Fittings.....	9.69	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 5,000, Deduct	-1.17	
For >5,000, Deduct	-1.95	
33 01 30 51-0339 Piping Protection For Temporary Water Line (33 01 30 51-0326)		
33 01 30 51-0340 LF Cold Mix For Temporary Pipe.....	2.31	
Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
33 01 30 51-0341 Drill Meter Cover For Temporary Water Line (33 01 30 51-0326)		
33 01 30 51-0342 EA Drill Meter Cover For Temporary Bypass Pipe.....	12.81	
33 01 30 51-0343 Temporary Pipe Plugging (33 01 30 51-0001)		
33 01 30 51-0344 Gravity Bladder Pipe Plugging (33 01 30 51-0343)		
Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0345 EA 3/4" Bladder Type Pipe Plug.....	59.36	
33 01 30 51-0346 EA 1" Bladder Type Pipe Plug.....	63.59	
33 01 30 51-0347 EA 1-1/4" Bladder Type Pipe Plug.....	69.01	
33 01 30 51-0348 EA 1-1/2" Bladder Type Pipe Plug.....	73.96	
33 01 30 51-0349 EA 2" Bladder Type Pipe Plug.....	78.65	
33 01 30 51-0350 EA 2-1/2" Bladder Type Pipe Plug.....	84.06	
33 01 30 51-0351 EA 3" Bladder Type Pipe Plug.....	91.27	
33 01 30 51-0352 EA 4" Bladder Type Pipe Plug.....	100.55	
33 01 30 51-0353 EA 5" Bladder Type Pipe Plug.....	108.86	
33 01 30 51-0354 EA 6" Bladder Type Pipe Plug.....	121.29	
33 01 30 51-0355 EA 8" Bladder Type Pipe Plug.....	134.77	
33 01 30 51-0356 EA 10" Bladder Type Pipe Plug.....	156.11	
33 01 30 51-0357 EA 12" Bladder Type Pipe Plug.....	185.52	
33 01 30 51-0358 EA 14" Bladder Type Pipe Plug.....	220.26	
33 01 30 51-0359 EA 16" Bladder Type Pipe Plug.....	265.12	
33 01 30 51-0360 EA 18" Bladder Type Pipe Plug.....	319.03	
33 01 30 51-0361 EA 20" Bladder Type Pipe Plug.....	381.99	
33 01 30 51-0362 EA 24" Bladder Type Pipe Plug.....	441.93	
33 01 30 51-0363 Hydra Stop, Hot Tapping Of Pressure Pipe (33 01 30 51-0343)		
Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0364 EA 2" Hydra Stop, Line Stopper.....	1,594.25	
33 01 30 51-0365 EA 2-1/2" Hydra Stop, Line Stopper.....	1,999.51	
33 01 30 51-0366 EA 3" Hydra Stop, Line Stopper.....	2,444.96	
33 01 30 51-0367 EA 4" Hydra Stop, Line Stopper.....	2,987.60	
33 01 30 51-0368 EA 5" Hydra Stop, Line Stopper.....	3,416.38	
33 01 30 51-0369 EA 6" Hydra Stop, Line Stopper.....	4,140.04	
33 01 30 51-0370 EA 8" Hydra Stop, Line Stopper.....	4,568.83	
33 01 30 51-0371 EA 10" Hydra Stop, Line Stopper.....	5,292.45	
33 01 30 51-0372 EA 12" Hydra Stop, Line Stopper.....	6,016.11	
33 01 30 51-0373 EA 14" Hydra Stop, Line Stopper.....	6,773.21	
33 01 30 51-0374 EA 16" Hydra Stop, Line Stopper.....	7,731.29	
33 01 30 51-0375 EA 18" Hydra Stop, Line Stopper.....	8,789.79	
33 01 30 51-0376 EA 20" Hydra Stop, Line Stopper.....	10,317.02	
33 01 30 51-0377 Aluminum Expansion Plugs (33 01 30 51-0343)		
Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0378 EA 3" Pipe Plug.....	42.67	
33 01 30 51-0379 EA 4" Pipe Plug.....	60.20	
33 01 30 51-0380 EA 5" Pipe Plug.....	67.71	
33 01 30 51-0381 EA 6" Pipe Plug.....	101.21	
33 01 30 51-0382 EA 8" Pipe Plug.....	104.18	
33 01 30 51-0383 EA 10" Pipe Plug.....	129.54	
33 01 30 51-0384 EA 12" Pipe Plug.....	173.77	
33 01 30 51-0385 EA 14" Pipe Plug.....	277.86	
33 01 30 51-0386 EA 15" Pipe Plug.....	300.68	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0387	Pipe Repair Clamp, Stainless Steel, 3" Long (33 01 30 51-0001)		
33 01 30 51-0388	EA 1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	111.43	
33 01 30 51-0389	EA 3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	111.61	
33 01 30 51-0390	EA 1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	112.05	
33 01 30 51-0391	EA 1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	112.49	
33 01 30 51-0392	EA 1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	112.71	
33 01 30 51-0393	EA 2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	113.37	
33 01 30 51-0394	EA 2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	114.03	
33 01 30 51-0395	EA 3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	114.91	
33 01 30 51-0396	EA 4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	204.87	
33 01 30 51-0397	EA 6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	207.73	
33 01 30 51-0398	EA 8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	209.72	
33 01 30 51-0399	EA 10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	230.67	
33 01 30 51-0400	EA 12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	233.32	
33 01 30 51-0401	EA 14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	235.09	
33 01 30 51-0402	EA 16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	237.73	
33 01 30 51-0403	EA 18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	240.38	
33 01 30 51-0404	EA 20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	243.91	
33 01 30 51-0405	EA 24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	250.08	

33 01 30 61 Sewer and Pipe Joint Sealing (33 01 30)

33 01 30 61-0001	Joint Air Test (33 01 30 61)		
33 01 30 61-0002	EA 4" To 8", Joint Air Test.....	71.34	
33 01 30 61-0003	EA 10" To 15", Joint Air Test.....	83.23	
33 01 30 61-0004	EA >15" To 21", Joint Air Test.....	95.12	
33 01 30 61-0005	EA >21" To 24", Joint Air Test.....	118.89	
33 01 30 61-0006	EA >24" To 27", Joint Air Test.....	142.67	
33 01 30 61-0007	EA >27" To 36", Joint Air Test.....	166.45	

33 01 30 61-0008 Joint Seal And Joint Air Retest (33 01 30 61)

Note: Includes grout.

33 01 30 61-0009	EA 4" Joint Seal And Joint Air Retest.....	208.29	
	Note: Includes up to 1 gallon of grout.		
33 01 30 61-0010	EA 6" Joint Seal And Joint Air Retest.....	232.07	
	Note: Includes 1 gallon of grout.		
33 01 30 61-0011	EA 8" Joint Seal And Joint Air Retest.....	273.89	
	Note: Includes 2 gallons of grout.		
33 01 30 61-0012	EA 10" Joint Seal And Joint Air Retest.....	306.70	
	Note: Includes 2.5 gallons of grout.		
33 01 30 61-0013	EA 12" Joint Seal And Joint Air Retest.....	339.52	
	Note: Includes 3 gallons of grout.		
33 01 30 61-0014	EA 15" Joint Seal And Joint Air Retest.....	400.61	
	Note: Includes 3.75 gallons of grout.		
33 01 30 61-0015	EA 18" Joint Seal And Joint Air Retest.....	461.71	
	Note: Includes 4.5 gallons of grout.		
33 01 30 61-0016	EA 21" Joint Seal And Joint Air Retest.....	522.81	
	Note: Includes 5.25 gallons of grout.		
33 01 30 61-0017	EA 24" Joint Seal And Joint Air Retest.....	607.69	
	Note: Includes 6 gallons of grout.		
33 01 30 61-0018	EA 27" Joint Seal And Joint Air Retest.....	692.56	
	Note: Includes 6.75 gallons of grout.		
33 01 30 61-0019	EA 30" Joint Seal And Joint Air Retest.....	801.22	
	Note: Includes 7.5 gallons of grout.		
33 01 30 61-0020	EA 36" Joint Seal And Joint Air Retest.....	923.42	
	Note: Includes 9 gallons of grout.		
33 01 30 61-0021	GAL Extra Grout Per Joint.....	113.18	
	Note: For extra grout per joint required over listed amount.		

33 01 30 71 Rehabilitation Of Sewer Utilities (33 01 30)

33 01 30 71-0001	Cementitious Pipe Coatings By Hand (33 01 30 71)		
	Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 71-0002	SF Up To 1" Thick Cementitious Coating On Pipe, Troweled On.....	6.02	
33 01 30 71-0003	SF >1" To 2" Thick Cementitious Coating On Pipe, Troweled On.....	8.82	

33 01 30 72 Relining Pipelines (33 01 30)

33 01 30 72-0001	Relining Underground Pipelines (33 01 30 72)		
	Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 72-0002	Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 72-0001)		
33 01 30 72-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	3,748.47	
33 01 30 72-0004	EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines.....	1,499.39	
33 01 30 72-0005	EA Mixing Truck And Refrigeration For 54" To 72" Cured In-Place Pipe.....	25,234.74	
	Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0006 Lining Pipe With Cured In-Place Pipe <small>(33 01 30 72-0001)</small>		
<i>Note: Cured in-place thermosetting resin pipe and resin impregnated tube.</i>		
33 01 30 72-0007 LF 6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	24.68	
For Up To 75, Add	16.18	
For >75 To 150, Add	8.09	
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 2,000, Deduct	-1.29	
For >2,000 To 5,000, Deduct	-2.00	
For >5,000, Deduct	-2.90	
For 7.5mm Liner Thickness, Add	4.01	
For 9mm Liner Thickness, Add	8.10	
33 01 30 72-0008 LF 6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	27.29	
For Up To 75, Add	17.64	
For >75 To 150, Add	8.82	
For >500 To 1,000, Deduct	-0.73	
For >1,000 To 2,000, Deduct	-1.42	
For >2,000 To 5,000, Deduct	-2.20	
For >5,000, Deduct	-3.20	
For 7.5mm Liner Thickness, Add	4.48	
For 9mm Liner Thickness, Add	9.06	
33 01 30 72-0009 LF 6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	30.52	
For Up To 75, Add	19.39	
For >75 To 150, Add	9.70	
For >500 To 1,000, Deduct	-0.81	
For >1,000 To 2,000, Deduct	-1.58	
For >2,000 To 5,000, Deduct	-2.44	
For >5,000, Deduct	-3.56	
For 7.5mm Liner Thickness, Add	5.08	
For 9mm Liner Thickness, Add	10.26	
33 01 30 72-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	33.98	
For Up To 75, Add	21.41	
For >75 To 150, Add	10.70	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000 To 5,000, Deduct	-2.71	
For >5,000, Deduct	-3.96	
For 7.5mm Liner Thickness, Add	5.69	
For 9mm Liner Thickness, Add	11.50	
33 01 30 72-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	39.02	
For Up To 75, Add	24.42	
For >75 To 150, Add	12.21	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-2.01	
For >2,000 To 5,000, Deduct	-3.11	
For >5,000, Deduct	-4.54	
For 7.5mm Liner Thickness, Add	6.56	
For 9mm Liner Thickness, Add	13.26	
For 10.5mm Liner Thickness, Add	19.88	
For 12mm Liner Thickness, Add	26.45	
For 13.5mm Liner Thickness, Add	33.11	
For 15mm Liner Thickness, Add	39.67	
33 01 30 72-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	45.58	
For Up To 75, Add	27.86	
For >75 To 150, Add	13.93	
For >500 To 1,000, Deduct	-1.20	
For >1,000 To 2,000, Deduct	-2.33	
For >2,000 To 5,000, Deduct	-3.60	
For >5,000, Deduct	-5.28	
For 7.5mm Liner Thickness, Add	7.79	
For 9mm Liner Thickness, Add	15.75	
For 10.5mm Liner Thickness, Add	23.60	
For 12mm Liner Thickness, Add	31.41	
For 13.5mm Liner Thickness, Add	39.32	
For 15mm Liner Thickness, Add	47.11	
33 01 30 72-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	51.03	
For Up To 75, Add	30.51	
For >75 To 150, Add	15.26	
For >500 To 1,000, Deduct	-1.33	
For >1,000 To 2,000, Deduct	-2.59	
For >2,000 To 5,000, Deduct	-4.00	
For >5,000, Deduct	-5.88	
For 7.5mm Liner Thickness, Add	8.85	
For 9mm Liner Thickness, Add	17.90	
For 10.5mm Liner Thickness, Add	26.82	
For 12mm Liner Thickness, Add	35.69	
For 13.5mm Liner Thickness, Add	44.69	
For 15mm Liner Thickness, Add	53.54	
For 16.5mm Liner Thickness, Add	63.54	
For 18mm Liner Thickness, Add	72.61	
For 19.5mm Liner Thickness, Add	81.97	
For 21mm Liner Thickness, Add	90.96	
For 22.5mm Liner Thickness, Add	100.03	
For 24mm Liner Thickness, Add	109.14	
For 27mm Liner Thickness, Add	127.37	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0014 LF 6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	55.70	
For Up To 75, Add	33.29	
For >75 To 150, Add	16.65	
For >500 To 1,000, Deduct	-1.45	
For >1,000 To 2,000, Deduct	-2.82	
For >2,000 To 5,000, Deduct	-4.36	
For >5,000, Deduct	-6.42	
For 7.5mm Liner Thickness, Add	9.67	
For 9mm Liner Thickness, Add	19.54	
For 10.5mm Liner Thickness, Add	29.28	
For 12mm Liner Thickness, Add	38.97	
For 13.5mm Liner Thickness, Add	48.79	
For 15mm Liner Thickness, Add	58.45	
For 16.5mm Liner Thickness, Add	69.37	
For 18mm Liner Thickness, Add	79.28	
For 19.5mm Liner Thickness, Add	89.49	
For 21mm Liner Thickness, Add	99.31	
For 22.5mm Liner Thickness, Add	109.21	
For 24mm Liner Thickness, Add	119.16	
For 27mm Liner Thickness, Add	139.06	
33 01 30 72-0015 LF 6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	62.66	
For Up To 75, Add	36.89	
For >75 To 150, Add	18.45	
For >500 To 1,000, Deduct	-1.63	
For >1,000 To 2,000, Deduct	-3.16	
For >2,000 To 5,000, Deduct	-4.88	
For >5,000, Deduct	-7.20	
For 7.5mm Liner Thickness, Add	10.98	
For 9mm Liner Thickness, Add	22.20	
For 10.5mm Liner Thickness, Add	33.27	
For 12mm Liner Thickness, Add	44.27	
For 13.5mm Liner Thickness, Add	55.43	
For 15mm Liner Thickness, Add	66.41	
For 16.5mm Liner Thickness, Add	78.81	
For 18mm Liner Thickness, Add	90.06	
For 19.5mm Liner Thickness, Add	101.67	
For 21mm Liner Thickness, Add	112.82	
For 22.5mm Liner Thickness, Add	124.07	
For 24mm Liner Thickness, Add	135.37	
For 27mm Liner Thickness, Add	157.98	
33 01 30 72-0016 LF 6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	69.63	
For Up To 75, Add	41.01	
For >75 To 150, Add	20.50	
For >500 To 1,000, Deduct	-1.81	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000 To 5,000, Deduct	-5.43	
For >5,000, Deduct	-8.00	
For 7.5mm Liner Thickness, Add	12.20	
For 9mm Liner Thickness, Add	24.67	
For 10.5mm Liner Thickness, Add	36.97	
For 12mm Liner Thickness, Add	49.19	
For 13.5mm Liner Thickness, Add	61.59	
For 15mm Liner Thickness, Add	73.79	
For 16.5mm Liner Thickness, Add	87.56	
For 18mm Liner Thickness, Add	100.07	
For 19.5mm Liner Thickness, Add	112.97	
For 21mm Liner Thickness, Add	125.35	
For 22.5mm Liner Thickness, Add	137.86	
For 24mm Liner Thickness, Add	150.41	
For 27mm Liner Thickness, Add	175.54	
33 01 30 72-0017 LF 6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	84.73	
For Up To 75, Add	47.39	
For >75 To 150, Add	23.70	
For >500 To 1,000, Deduct	-2.16	
For >1,000 To 2,000, Deduct	-4.21	
For >2,000 To 5,000, Deduct	-6.49	
For >5,000, Deduct	-9.64	
For 7.5mm Liner Thickness, Add	15.33	
For 9mm Liner Thickness, Add	30.99	
For 10.5mm Liner Thickness, Add	46.44	
For 12mm Liner Thickness, Add	61.80	
For 13.5mm Liner Thickness, Add	77.37	
For 15mm Liner Thickness, Add	92.70	
For 16.5mm Liner Thickness, Add	110.01	
For 18mm Liner Thickness, Add	125.72	
For 19.5mm Liner Thickness, Add	141.93	
For 21mm Liner Thickness, Add	157.49	
For 22.5mm Liner Thickness, Add	173.20	
For 24mm Liner Thickness, Add	188.97	
For 27mm Liner Thickness, Add	220.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	191.47	
For Up To 75, Add	73.11	
For >75 To 150, Add	36.55	
For >500 To 1,000, Deduct	-4.37	
For >1,000 To 2,000, Deduct	-8.60	
For >2,000 To 5,000, Deduct	-13.10	
For >5,000, Deduct	-20.49	
For 15mm Liner Thickness, Add	18.30	
For 16.5mm Liner Thickness, Add	38.62	
For 18mm Liner Thickness, Add	58.23	
For 19.5mm Liner Thickness, Add	76.81	
For 21mm Liner Thickness, Add	95.55	
For 22.5mm Liner Thickness, Add	114.23	
For 24mm Liner Thickness, Add	133.30	
For 27mm Liner Thickness, Add	173.86	
33 01 30 72-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	219.45	
For Up To 75, Add	84.50	
For >75 To 150, Add	42.25	
For >500 To 1,000, Deduct	-5.01	
For >1,000 To 2,000, Deduct	-9.87	
For >2,000 To 5,000, Deduct	-15.04	
For >5,000, Deduct	-23.51	
For 15mm Liner Thickness, Add	20.91	
For 16.5mm Liner Thickness, Add	44.14	
For 18mm Liner Thickness, Add	66.55	
For 19.5mm Liner Thickness, Add	87.78	
For 21mm Liner Thickness, Add	109.20	
For 22.5mm Liner Thickness, Add	130.54	
For 24mm Liner Thickness, Add	152.34	
For 27mm Liner Thickness, Add	198.69	
33 01 30 72-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	272.80	
For Up To 75, Add	103.28	
For >75 To 150, Add	51.64	
For >500 To 1,000, Deduct	-6.21	
For >1,000 To 2,000, Deduct	-12.22	
For >2,000 To 5,000, Deduct	-18.62	
For >5,000, Deduct	-29.15	
For 16.5mm Liner Thickness, Add	23.56	
For 18mm Liner Thickness, Add	47.30	
For 19.5mm Liner Thickness, Add	70.88	
For 21mm Liner Thickness, Add	94.62	
For 22.5mm Liner Thickness, Add	118.32	
For 24mm Liner Thickness, Add	142.11	
For 27mm Liner Thickness, Add	189.71	
33 01 30 72-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	364.94	
For Up To 75, Add	139.44	
For >75 To 150, Add	69.72	
For >500 To 1,000, Deduct	-8.32	
For >1,000 To 2,000, Deduct	-16.39	
For >2,000 To 5,000, Deduct	-24.96	
For >5,000, Deduct	-39.05	
For 19.5mm Liner Thickness, Add	26.17	
For 21mm Liner Thickness, Add	52.56	
For 22.5mm Liner Thickness, Add	78.86	
For 24mm Liner Thickness, Add	105.26	
For 27mm Liner Thickness, Add	158.13	
33 01 30 72-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	425.61	
For Up To 75, Add	189.55	
For >75 To 150, Add	94.78	
For >500 To 1,000, Deduct	-10.12	
For >1,000 To 2,000, Deduct	-19.84	
For >2,000 To 5,000, Deduct	-30.36	
For >5,000, Deduct	-46.58	
For 19.5mm Liner Thickness, Add	28.80	
For 21mm Liner Thickness, Add	57.83	
For 22.5mm Liner Thickness, Add	86.77	
For 24mm Liner Thickness, Add	115.81	
For 27mm Liner Thickness, Add	173.99	
33 01 30 72-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	517.30	
For Up To 75, Add	286.20	
For >75 To 150, Add	143.10	
For >500 To 1,000, Deduct	-13.16	
For >1,000 To 2,000, Deduct	-25.61	
For >2,000 To 5,000, Deduct	-39.47	
For >5,000, Deduct	-58.76	
For 19.5mm Liner Thickness, Add	31.42	
For 21mm Liner Thickness, Add	63.10	
For 22.5mm Liner Thickness, Add	94.67	
For 24mm Liner Thickness, Add	126.36	
For 27mm Liner Thickness, Add	189.83	

33 01 30 72-0024 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 72-0001)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	20.96	
For DR 26 Pipe Liner, Add	3.23	
For >500 To 1,000, Deduct	-0.60	
For >1,000 To 2,000, Deduct	-1.20	
For >2,000, Deduct	-2.41	
33 01 30 72-0026 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	26.21	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-1.30	
For >2,000, Deduct	-2.60	
33 01 30 72-0027 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	27.25	
For DR 26 Pipe Liner, Add	4.47	
For DR 35 Pipe Liner, Deduct	-2.24	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.41	
For >2,000, Deduct	-2.81	
33 01 30 72-0028 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.05	
For DR 26 Pipe Liner, Add	6.71	
For DR 35 Pipe Liner, Deduct	-3.35	
For DR 41 Pipe Liner, Deduct	-6.71	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 2,000, Deduct	-1.53	
For >2,000, Deduct	-3.07	
33 01 30 72-0029 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.50	
For DR 26 Pipe Liner, Add	9.82	
For DR 35 Pipe Liner, Deduct	-4.91	
For DR 41 Pipe Liner, Deduct	-9.82	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.69	
For >2,000, Deduct	-3.37	
33 01 30 72-0030 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	68.06	
For DR 35 Pipe Liner, Deduct	-6.91	
For DR 41 Pipe Liner, Deduct	-13.82	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,000, Deduct	-1.92	
For >2,000, Deduct	-3.83	
33 01 30 72-0031 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	94.57	
For DR 41 Pipe Liner, Deduct	-8.02	
For DR 50 Pipe Liner, Deduct	-16.03	
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 2,000, Deduct	-2.16	
For >2,000, Deduct	-4.33	
33 01 30 72-0032 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	106.66	
For DR 50 Pipe Liner, Deduct	-13.66	
For DR 55 Pipe Liner, Deduct	-22.76	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-2.34	
For >2,000, Deduct	-4.69	
33 01 30 72-0033 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	129.22	
For DR 60 Pipe Liner, Deduct	-16.83	
For >500 To 1,000, Deduct	-1.28	
For >1,000 To 2,000, Deduct	-2.56	
For >2,000, Deduct	-5.11	
33 01 30 72-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner <small>(33 01 30 72-0001)</small>		
33 01 30 72-0035 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	22.17	
For >500 To 1,000, Deduct	-0.60	
For >1,000 To 2,000, Deduct	-1.20	
For >2,000, Deduct	-2.41	
For DR 26 Pipe Liner, Add	3.54	
33 01 30 72-0036 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	26.21	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-1.30	
For >2,000, Deduct	-2.60	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	
33 01 30 72-0037 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	28.88	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.41	
For >2,000, Deduct	-2.81	
For DR 26 Pipe Liner, Add	4.88	
For DR 35 Pipe Liner, Deduct	-2.44	
33 01 30 72-0038 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	39.48	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 2,000, Deduct	-1.53	
For >2,000, Deduct	-3.07	
For DR 26 Pipe Liner, Add	7.32	
For DR 35 Pipe Liner, Deduct	-3.66	
For DR 41 Pipe Liner, Deduct	-7.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	54.16	
<i>For >500 To 1,000, Deduct</i>	-0.84	
<i>For >1,000 To 2,000, Deduct</i>	-1.69	
<i>For >2,000, Deduct</i>	-3.37	
<i>For DR 26 Pipe Liner, Add</i>	10.73	
<i>For DR 35 Pipe Liner, Deduct</i>	-5.37	
<i>For DR 41 Pipe Liner, Deduct</i>	-10.73	
33 01 30 72-0040 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	73.26	
<i>For >500 To 1,000, Deduct</i>	-0.96	
<i>For >1,000 To 2,000, Deduct</i>	-1.92	
<i>For >2,000, Deduct</i>	-3.83	
<i>For DR 35 Pipe Liner, Deduct</i>	-7.56	
<i>For DR 41 Pipe Liner, Deduct</i>	-15.12	
33 01 30 72-0041 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	102.21	
<i>For >500 To 1,000, Deduct</i>	-1.08	
<i>For >1,000 To 2,000, Deduct</i>	-2.16	
<i>For >2,000, Deduct</i>	-4.33	
<i>For DR 41 Pipe Liner, Deduct</i>	-8.78	
<i>For DR 50 Pipe Liner, Deduct</i>	-17.56	
33 01 30 72-0042 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	115.12	
<i>For >500 To 1,000, Deduct</i>	-1.17	
<i>For >1,000 To 2,000, Deduct</i>	-2.34	
<i>For >2,000, Deduct</i>	-4.69	
<i>For DR 50 Pipe Liner, Deduct</i>	-14.93	
<i>For DR 55 Pipe Liner, Deduct</i>	-24.88	
33 01 30 72-0043 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	139.95	
<i>For >500 To 1,000, Deduct</i>	-1.28	
<i>For >1,000 To 2,000, Deduct</i>	-2.56	
<i>For >2,000, Deduct</i>	-5.11	
<i>For DR 60 Pipe Liner, Deduct</i>	-18.44	
33 01 30 72-0044 Pumped Grouting For Slip-Lining Systems <small>(33 01 30 72-0001)</small>		
Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.		
33 01 30 72-0045 CY Flowable Fill Grout, For Pipe Relines.....	440.15	
33 01 30 72-0046 Solid Wall High Density Polyethylene (HDPE) Culvert Slip-Lining System <small>(33 01 30 72-0001)</small>		
Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0018 for culvert cleaning, 33 01 30 72-0044 for flowable fill grout.		
33 01 30 72-0047 LF 6.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	14.81	
<i>For Profile Wall (Corrugated), Deduct</i>	-2.19	
33 01 30 72-0048 LF 8.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	19.93	
<i>For Profile Wall (Corrugated), Deduct</i>	-3.02	
33 01 30 72-0049 LF 10.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	23.93	
<i>For Profile Wall (Corrugated), Deduct</i>	-3.66	
33 01 30 72-0050 LF 12.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	32.59	
<i>For Profile Wall (Corrugated), Deduct</i>	-5.16	
33 01 30 72-0051 LF 14" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	39.47	
<i>For Profile Wall (Corrugated), Deduct</i>	-6.21	
33 01 30 72-0052 LF 16" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	49.55	
<i>For Profile Wall (Corrugated), Deduct</i>	-8.11	
33 01 30 72-0053 LF 18" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	62.55	
<i>For Profile Wall (Corrugated), Deduct</i>	-10.27	
33 01 30 72-0054 LF 20" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	64.88	
<i>For Profile Wall (Corrugated), Deduct</i>	-10.41	
33 01 30 72-0055 LF 22" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	77.38	
<i>For Profile Wall (Corrugated), Deduct</i>	-12.59	
33 01 30 72-0056 LF 24" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	85.18	
<i>For Profile Wall (Corrugated), Deduct</i>	-13.83	
33 01 30 72-0057 LF 26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	99.41	
<i>For Profile Wall (Corrugated), Deduct</i>	-16.36	
33 01 30 72-0058 LF 28" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	113.69	
<i>For Profile Wall (Corrugated), Deduct</i>	-18.89	
33 01 30 72-0059 LF 30" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	128.90	
<i>For Profile Wall (Corrugated), Deduct</i>	-21.61	
33 01 30 72-0060 LF 32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	145.37	
<i>For Profile Wall (Corrugated), Deduct</i>	-24.59	
33 01 30 72-0061 LF 34" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	163.30	
<i>For Profile Wall (Corrugated), Deduct</i>	-27.85	
33 01 30 72-0062 LF 36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	181.25	
<i>For Profile Wall (Corrugated), Deduct</i>	-31.12	
33 01 30 72-0063 LF 39.37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	210.94	
<i>For Profile Wall (Corrugated), Deduct</i>	-36.74	
33 01 30 72-0064 LF 42" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner Dr 32.5.....	240.64	
<i>For Profile Wall (Corrugated), Deduct</i>	-42.36	
33 01 30 72-0065 LF 48" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	307.07	
<i>For Profile Wall (Corrugated), Deduct</i>	-55.33	
33 01 30 72-0066 LF 54" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	382.15	
<i>For Profile Wall (Corrugated), Deduct</i>	-70.02	
33 01 30 72-0067 LF 57" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5	445.25	
<i>For Profile Wall (Corrugated), Deduct</i>	-82.32	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0068 LF 60" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	515.10	
For Profile Wall (Corrugated), Deduct	-95.97	
33 01 30 72-0069 LF 63" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	552.68	
For Profile Wall (Corrugated), Deduct	-103.17	
33 01 30 72-0070 LF 66" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	646.16	
For Profile Wall (Corrugated), Deduct	-121.38	
33 01 30 72-0071 LF 72" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	754.36	
For Profile Wall (Corrugated), Deduct	-142.38	
33 01 30 72-0072 LF 78" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	951.56	
For Profile Wall (Corrugated), Deduct	-181.02	
33 01 30 72-0073 LF 84" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,179.47	
For Profile Wall (Corrugated), Deduct	-225.96	
33 01 30 72-0074 LF 90" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,442.03	
For Profile Wall (Corrugated), Deduct	-277.83	
33 01 30 72-0075 LF 96" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5.....	1,743.18	
For Profile Wall (Corrugated), Deduct	-337.26	
33 01 30 72-0076 LF 16" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 14" x 23" Elliptical Culvert.....	49.55	
For Profile Wall (Corrugated), Deduct	-8.11	
33 01 30 72-0077 LF 18" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 16" x 27" Elliptical Culvert.....	62.55	
For Profile Wall (Corrugated), Deduct	-10.27	
33 01 30 72-0078 LF 22" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 19" x 30" Elliptical Culvert.....	77.38	
For Profile Wall (Corrugated), Deduct	-12.59	
33 01 30 72-0079 LF 26" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 22" x 34" Elliptical Culvert.....	99.41	
For Profile Wall (Corrugated), Deduct	-16.36	
33 01 30 72-0080 LF 28" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 24" x 38" Elliptical Culvert.....	113.69	
For Profile Wall (Corrugated), Deduct	-18.89	
33 01 30 72-0081 LF 30" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 27" x 42" Elliptical Culvert.....	128.90	
For Profile Wall (Corrugated), Deduct	-21.61	
33 01 30 72-0082 LF 32" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 29" x 45" Elliptical Culvert.....	145.37	
For Profile Wall (Corrugated), Deduct	-24.59	
33 01 30 72-0083 LF 36" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 34" x 53" Elliptical Culvert.....	181.25	
For Profile Wall (Corrugated), Deduct	-31.12	
33 01 30 72-0084 LF 42" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 38" x 60" Elliptical Culvert.....	240.64	
For Profile Wall (Corrugated), Deduct	-42.36	
33 01 30 72-0085 LF 48" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 43" x 68" Elliptical Culvert.....	307.07	
For Profile Wall (Corrugated), Deduct	-55.33	
33 01 30 72-0086 LF 54" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 48" x 76" Elliptical Culvert.....	382.15	
For Profile Wall (Corrugated), Deduct	-70.02	
33 01 30 72-0087 LF 57" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 63" x 83" Elliptical Culvert.....	382.15	
For Profile Wall (Corrugated), Deduct	-70.02	
33 01 30 72-0088 LF 63" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 63" x 83" Elliptical Culvert.....	552.68	
For Profile Wall (Corrugated), Deduct	-103.17	
33 01 30 72-0089 LF 66" Nominal Diameter High Density Polyethylene (HDPE) Culvert Liner For 58" x 91" Elliptical Culvert.....	552.68	
For Profile Wall (Corrugated), Deduct	-103.17	
33 01 30 72-0090 Lining Pipe, Spray Applied With Structural Polyurethane (33 01 30 72-0001)		
Note: Two part structural polyurethane.		
33 01 30 72-0091 Mobilization And Setup For Spray Applied Structural Polyurethane Lining (33 01 30 72-0090)		
33 01 30 72-0092 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,457.11	
33 01 30 72-0093 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane (33 01 30 72-0090)		
Note: Two part structural polyurethane.		
33 01 30 72-0094 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	35.15	
For Up To 75, Add	7.82	
For >75 To 150, Add	3.52	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,000, Deduct	-1.96	
For >2,000 To 5,000, Deduct	-3.05	
For >5,000, Deduct	-4.30	
33 01 30 72-0095 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	41.02	
For Up To 75, Add	9.12	
For >75 To 150, Add	4.10	
For >500 To 1,000, Deduct	-1.19	
For >1,000 To 2,000, Deduct	-2.28	
For >2,000 To 5,000, Deduct	-3.56	
For >5,000, Deduct	-5.02	
33 01 30 72-0096 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	46.88	
For Up To 75, Add	10.42	
For >75 To 150, Add	4.69	
For >500 To 1,000, Deduct	-1.36	
For >1,000 To 2,000, Deduct	-2.61	
For >2,000 To 5,000, Deduct	-4.07	
For >5,000, Deduct	-5.74	
33 01 30 72-0097 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	52.74	
For Up To 75, Add	11.73	
For >75 To 150, Add	5.27	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,000, Deduct	-2.93	
For >2,000 To 5,000, Deduct	-4.58	
For >5,000, Deduct	-6.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0098 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	58.60	
<i>For Up To 75, Add</i>	13.03	
<i>For >75 To 150, Add</i>	5.86	
<i>For >500 To 1,000, Deduct</i>	-1.70	
<i>For >1,000 To 2,000, Deduct</i>	-3.26	
<i>For >2,000 To 5,000, Deduct</i>	-5.09	
<i>For >5,000, Deduct</i>	-7.17	
33 01 30 72-0099 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	64.46	
<i>For Up To 75, Add</i>	14.33	
<i>For >75 To 150, Add</i>	6.45	
<i>For >500 To 1,000, Deduct</i>	-1.87	
<i>For >1,000 To 2,000, Deduct</i>	-3.59	
<i>For >2,000 To 5,000, Deduct</i>	-5.60	
<i>For >5,000, Deduct</i>	-7.89	
33 01 30 72-0100 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	70.32	
<i>For Up To 75, Add</i>	15.64	
<i>For >75 To 150, Add</i>	7.03	
<i>For >500 To 1,000, Deduct</i>	-2.04	
<i>For >1,000 To 2,000, Deduct</i>	-3.91	
<i>For >2,000 To 5,000, Deduct</i>	-6.11	
<i>For >5,000, Deduct</i>	-8.60	
33 01 30 72-0101 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	76.17	
<i>For Up To 75, Add</i>	16.94	
<i>For >75 To 150, Add</i>	7.62	
<i>For >500 To 1,000, Deduct</i>	-2.20	
<i>For >1,000 To 2,000, Deduct</i>	-4.24	
<i>For >2,000 To 5,000, Deduct</i>	-6.61	
<i>For >5,000, Deduct</i>	-9.32	
33 01 30 72-0102 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	82.03	
<i>For Up To 75, Add</i>	18.24	
<i>For >75 To 150, Add</i>	8.20	
<i>For >500 To 1,000, Deduct</i>	-2.37	
<i>For >1,000 To 2,000, Deduct</i>	-4.56	
<i>For >2,000 To 5,000, Deduct</i>	-7.12	
<i>For >5,000, Deduct</i>	-10.04	
33 01 30 72-0103 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	87.89	
<i>For Up To 75, Add</i>	19.54	
<i>For >75 To 150, Add</i>	8.79	
<i>For >500 To 1,000, Deduct</i>	-2.54	
<i>For >1,000 To 2,000, Deduct</i>	-4.89	
<i>For >2,000 To 5,000, Deduct</i>	-7.63	
<i>For >5,000, Deduct</i>	-10.75	
33 01 30 72-0104 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	93.75	
<i>For Up To 75, Add</i>	20.85	
<i>For >75 To 150, Add</i>	9.38	
<i>For >500 To 1,000, Deduct</i>	-2.71	
<i>For >1,000 To 2,000, Deduct</i>	-5.22	
<i>For >2,000 To 5,000, Deduct</i>	-8.14	
<i>For >5,000, Deduct</i>	-11.47	
33 01 30 72-0105 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	99.62	
<i>For Up To 75, Add</i>	22.15	
<i>For >75 To 150, Add</i>	9.96	
<i>For >500 To 1,000, Deduct</i>	-2.88	
<i>For >1,000 To 2,000, Deduct</i>	-5.54	
<i>For >2,000 To 5,000, Deduct</i>	-8.65	
<i>For >5,000, Deduct</i>	-12.19	
33 01 30 72-0106 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	105.47	
<i>For Up To 75, Add</i>	23.45	
<i>For >75 To 150, Add</i>	10.55	
<i>For >500 To 1,000, Deduct</i>	-3.05	
<i>For >1,000 To 2,000, Deduct</i>	-5.87	
<i>For >2,000 To 5,000, Deduct</i>	-9.16	
<i>For >5,000, Deduct</i>	-12.90	
33 01 30 72-0107 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	111.34	
<i>For Up To 75, Add</i>	24.76	
<i>For >75 To 150, Add</i>	11.13	
<i>For >500 To 1,000, Deduct</i>	-3.22	
<i>For >1,000 To 2,000, Deduct</i>	-6.20	
<i>For >2,000 To 5,000, Deduct</i>	-9.67	
<i>For >5,000, Deduct</i>	-13.62	
33 01 30 72-0108 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	117.20	
<i>For Up To 75, Add</i>	26.06	
<i>For >75 To 150, Add</i>	11.72	
<i>For >500 To 1,000, Deduct</i>	-3.39	
<i>For >1,000 To 2,000, Deduct</i>	-6.52	
<i>For >2,000 To 5,000, Deduct</i>	-10.18	
<i>For >5,000, Deduct</i>	-14.34	
33 01 30 72-0109 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane.....	3.73	

33 01 30 72-0110 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane (33 01 30 72-0090)
 Note: Two part structural polyurethane.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0111 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	45.73	
For Up To 75, Add	9.97	
For >75 To 150, Add	4.57	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.41	
For >2,000 To 5,000, Deduct	-3.74	
For >5,000, Deduct	-5.40	
33 01 30 72-0112 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	53.34	
For Up To 75, Add	11.63	
For >75 To 150, Add	5.33	
For >500 To 1,000, Deduct	-1.45	
For >1,000 To 2,000, Deduct	-2.81	
For >2,000 To 5,000, Deduct	-4.36	
For >5,000, Deduct	-6.30	
33 01 30 72-0113 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	60.96	
For Up To 75, Add	13.30	
For >75 To 150, Add	6.10	
For >500 To 1,000, Deduct	-1.66	
For >1,000 To 2,000, Deduct	-3.21	
For >2,000 To 5,000, Deduct	-4.98	
For >5,000, Deduct	-7.20	
33 01 30 72-0114 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	68.57	
For Up To 75, Add	14.95	
For >75 To 150, Add	6.86	
For >500 To 1,000, Deduct	-1.87	
For >1,000 To 2,000, Deduct	-3.61	
For >2,000 To 5,000, Deduct	-5.60	
For >5,000, Deduct	-8.10	
33 01 30 72-0115 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	76.20	
For Up To 75, Add	16.62	
For >75 To 150, Add	7.62	
For >500 To 1,000, Deduct	-2.08	
For >1,000 To 2,000, Deduct	-4.01	
For >2,000 To 5,000, Deduct	-6.23	
For >5,000, Deduct	-9.00	
33 01 30 72-0116 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	83.82	
For Up To 75, Add	18.28	
For >75 To 150, Add	8.38	
For >500 To 1,000, Deduct	-2.28	
For >1,000 To 2,000, Deduct	-4.41	
For >2,000 To 5,000, Deduct	-6.85	
For >5,000, Deduct	-9.90	
33 01 30 72-0117 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	91.44	
For Up To 75, Add	19.94	
For >75 To 150, Add	9.14	
For >500 To 1,000, Deduct	-2.49	
For >1,000 To 2,000, Deduct	-4.82	
For >2,000 To 5,000, Deduct	-7.47	
For >5,000, Deduct	-10.80	
33 01 30 72-0118 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	99.06	
For Up To 75, Add	21.60	
For >75 To 150, Add	9.91	
For >500 To 1,000, Deduct	-2.70	
For >1,000 To 2,000, Deduct	-5.22	
For >2,000 To 5,000, Deduct	-8.09	
For >5,000, Deduct	-11.70	
33 01 30 72-0119 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	106.68	
For Up To 75, Add	23.27	
For >75 To 150, Add	10.67	
For >500 To 1,000, Deduct	-2.91	
For >1,000 To 2,000, Deduct	-5.62	
For >2,000 To 5,000, Deduct	-8.72	
For >5,000, Deduct	-12.60	
33 01 30 72-0120 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	114.30	
For Up To 75, Add	24.93	
For >75 To 150, Add	11.43	
For >500 To 1,000, Deduct	-3.11	
For >1,000 To 2,000, Deduct	-6.02	
For >2,000 To 5,000, Deduct	-9.34	
For >5,000, Deduct	-13.50	
33 01 30 72-0121 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	121.92	
For Up To 75, Add	26.59	
For >75 To 150, Add	12.19	
For >500 To 1,000, Deduct	-3.32	
For >1,000 To 2,000, Deduct	-6.42	
For >2,000 To 5,000, Deduct	-9.96	
For >5,000, Deduct	-14.40	
33 01 30 72-0122 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	129.55	
For Up To 75, Add	28.25	
For >75 To 150, Add	12.96	
For >500 To 1,000, Deduct	-3.53	
For >1,000 To 2,000, Deduct	-6.82	
For >2,000 To 5,000, Deduct	-10.59	
For >5,000, Deduct	-15.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0123 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	137.17	
<i>For Up To 75, Add</i>	29.92	
<i>For >75 To 150, Add</i>	13.72	
<i>For >500 To 1,000, Deduct</i>	-3.74	
<i>For >1,000 To 2,000, Deduct</i>	-7.22	
<i>For >2,000 To 5,000, Deduct</i>	-11.21	
<i>For >5,000, Deduct</i>	-16.20	
33 01 30 72-0124 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	144.79	
<i>For Up To 75, Add</i>	31.58	
<i>For >75 To 150, Add</i>	14.48	
<i>For >500 To 1,000, Deduct</i>	-3.94	
<i>For >1,000 To 2,000, Deduct</i>	-7.63	
<i>For >2,000 To 5,000, Deduct</i>	-11.83	
<i>For >5,000, Deduct</i>	-17.10	
33 01 30 72-0125 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	152.40	
<i>For Up To 75, Add</i>	33.24	
<i>For >75 To 150, Add</i>	15.24	
<i>For >500 To 1,000, Deduct</i>	-4.15	
<i>For >1,000 To 2,000, Deduct</i>	-8.03	
<i>For >2,000 To 5,000, Deduct</i>	-12.45	
<i>For >5,000, Deduct</i>	-18.00	
33 01 30 72-0126 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane.....	4.85	
33 01 30 72-0127 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane <small>(33 01 30 72-0090)</small>		
Note: Two part structural polyurethane.		
33 01 30 72-0128 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	56.29	
<i>For Up To 75, Add</i>	12.13	
<i>For >75 To 150, Add</i>	5.63	
<i>For >500 To 1,000, Deduct</i>	-1.47	
<i>For >1,000 To 2,000, Deduct</i>	-2.86	
<i>For >2,000 To 5,000, Deduct</i>	-4.42	
<i>For >5,000, Deduct</i>	-6.50	
33 01 30 72-0129 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	65.68	
<i>For Up To 75, Add</i>	14.15	
<i>For >75 To 150, Add</i>	6.57	
<i>For >500 To 1,000, Deduct</i>	-1.72	
<i>For >1,000 To 2,000, Deduct</i>	-3.34	
<i>For >2,000 To 5,000, Deduct</i>	-5.16	
<i>For >5,000, Deduct</i>	-7.58	
33 01 30 72-0130 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	75.06	
<i>For Up To 75, Add</i>	16.17	
<i>For >75 To 150, Add</i>	7.51	
<i>For >500 To 1,000, Deduct</i>	-1.97	
<i>For >1,000 To 2,000, Deduct</i>	-3.82	
<i>For >2,000 To 5,000, Deduct</i>	-5.90	
<i>For >5,000, Deduct</i>	-8.67	
33 01 30 72-0131 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	84.44	
<i>For Up To 75, Add</i>	18.19	
<i>For >75 To 150, Add</i>	8.44	
<i>For >500 To 1,000, Deduct</i>	-2.21	
<i>For >1,000 To 2,000, Deduct</i>	-4.29	
<i>For >2,000 To 5,000, Deduct</i>	-6.63	
<i>For >5,000, Deduct</i>	-9.75	
33 01 30 72-0132 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	93.83	
<i>For Up To 75, Add</i>	20.22	
<i>For >75 To 150, Add</i>	9.38	
<i>For >500 To 1,000, Deduct</i>	-2.46	
<i>For >1,000 To 2,000, Deduct</i>	-4.77	
<i>For >2,000 To 5,000, Deduct</i>	-7.37	
<i>For >5,000, Deduct</i>	-10.83	
33 01 30 72-0133 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	103.20	
<i>For Up To 75, Add</i>	22.24	
<i>For >75 To 150, Add</i>	10.32	
<i>For >500 To 1,000, Deduct</i>	-2.70	
<i>For >1,000 To 2,000, Deduct</i>	-5.25	
<i>For >2,000 To 5,000, Deduct</i>	-8.11	
<i>For >5,000, Deduct</i>	-11.92	
33 01 30 72-0134 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	112.59	
<i>For Up To 75, Add</i>	24.26	
<i>For >75 To 150, Add</i>	11.26	
<i>For >500 To 1,000, Deduct</i>	-2.95	
<i>For >1,000 To 2,000, Deduct</i>	-5.72	
<i>For >2,000 To 5,000, Deduct</i>	-8.85	
<i>For >5,000, Deduct</i>	-13.00	
33 01 30 72-0135 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	121.97	
<i>For Up To 75, Add</i>	26.28	
<i>For >75 To 150, Add</i>	12.20	
<i>For >500 To 1,000, Deduct</i>	-3.19	
<i>For >1,000 To 2,000, Deduct</i>	-6.20	
<i>For >2,000 To 5,000, Deduct</i>	-9.58	
<i>For >5,000, Deduct</i>	-14.08	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0136 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	131.35	
For Up To 75, Add	28.30	
For >75 To 150, Add	13.14	
For >500 To 1,000, Deduct	-3.44	
For >1,000 To 2,000, Deduct	-6.68	
For >2,000 To 5,000, Deduct	-10.32	
For >5,000, Deduct	-15.17	
33 01 30 72-0137 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	140.73	
For Up To 75, Add	30.32	
For >75 To 150, Add	14.07	
For >500 To 1,000, Deduct	-3.69	
For >1,000 To 2,000, Deduct	-7.15	
For >2,000 To 5,000, Deduct	-11.06	
For >5,000, Deduct	-16.25	
33 01 30 72-0138 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	150.12	
For Up To 75, Add	32.35	
For >75 To 150, Add	15.01	
For >500 To 1,000, Deduct	-3.93	
For >1,000 To 2,000, Deduct	-7.63	
For >2,000 To 5,000, Deduct	-11.79	
For >5,000, Deduct	-17.33	
33 01 30 72-0139 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	159.50	
For Up To 75, Add	34.37	
For >75 To 150, Add	15.95	
For >500 To 1,000, Deduct	-4.18	
For >1,000 To 2,000, Deduct	-8.11	
For >2,000 To 5,000, Deduct	-12.53	
For >5,000, Deduct	-18.42	
33 01 30 72-0140 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	168.88	
For Up To 75, Add	36.39	
For >75 To 150, Add	16.89	
For >500 To 1,000, Deduct	-4.42	
For >1,000 To 2,000, Deduct	-8.58	
For >2,000 To 5,000, Deduct	-13.27	
For >5,000, Deduct	-19.50	
33 01 30 72-0141 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	178.26	
For Up To 75, Add	38.41	
For >75 To 150, Add	17.83	
For >500 To 1,000, Deduct	-4.67	
For >1,000 To 2,000, Deduct	-9.06	
For >2,000 To 5,000, Deduct	-14.00	
For >5,000, Deduct	-20.58	
33 01 30 72-0142 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	187.64	
For Up To 75, Add	40.43	
For >75 To 150, Add	18.76	
For >500 To 1,000, Deduct	-4.91	
For >1,000 To 2,000, Deduct	-9.54	
For >2,000 To 5,000, Deduct	-14.74	
For >5,000, Deduct	-21.67	
33 01 30 72-0143 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane.....	5.97	
33 01 30 72-0144 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane (33 01 30 72-0090)		
Note: Two part structural polyurethane.		
33 01 30 72-0145 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	66.93	
For Up To 75, Add	14.30	
For >75 To 150, Add	6.69	
For >500 To 1,000, Deduct	-1.71	
For >1,000 To 2,000, Deduct	-3.32	
For >2,000 To 5,000, Deduct	-5.12	
For >5,000, Deduct	-7.61	
33 01 30 72-0146 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	78.09	
For Up To 75, Add	16.69	
For >75 To 150, Add	7.81	
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 2,000, Deduct	-3.87	
For >2,000 To 5,000, Deduct	-5.97	
For >5,000, Deduct	-8.88	
33 01 30 72-0147 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	89.24	
For Up To 75, Add	19.07	
For >75 To 150, Add	8.92	
For >500 To 1,000, Deduct	-2.27	
For >1,000 To 2,000, Deduct	-4.43	
For >2,000 To 5,000, Deduct	-6.82	
For >5,000, Deduct	-10.15	
33 01 30 72-0148 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	100.38	
For Up To 75, Add	21.45	
For >75 To 150, Add	10.04	
For >500 To 1,000, Deduct	-2.56	
For >1,000 To 2,000, Deduct	-4.98	
For >2,000 To 5,000, Deduct	-7.67	
For >5,000, Deduct	-11.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0149 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	111.55	
For Up To 75, Add	23.84	
For >75 To 150, Add	11.16	
For >500 To 1,000, Deduct	-2.84	
For >1,000 To 2,000, Deduct	-5.53	
For >2,000 To 5,000, Deduct	-8.53	
For >5,000, Deduct	-12.68	
33 01 30 72-0150 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	122.70	
For Up To 75, Add	26.22	
For >75 To 150, Add	12.27	
For >500 To 1,000, Deduct	-3.13	
For >1,000 To 2,000, Deduct	-6.08	
For >2,000 To 5,000, Deduct	-9.38	
For >5,000, Deduct	-13.95	
33 01 30 72-0151 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	133.86	
For Up To 75, Add	28.61	
For >75 To 150, Add	13.39	
For >500 To 1,000, Deduct	-3.41	
For >1,000 To 2,000, Deduct	-6.64	
For >2,000 To 5,000, Deduct	-10.23	
For >5,000, Deduct	-15.22	
33 01 30 72-0152 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	145.01	
For Up To 75, Add	30.99	
For >75 To 150, Add	14.50	
For >500 To 1,000, Deduct	-3.69	
For >1,000 To 2,000, Deduct	-7.19	
For >2,000 To 5,000, Deduct	-11.08	
For >5,000, Deduct	-16.49	
33 01 30 72-0153 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	156.17	
For Up To 75, Add	33.37	
For >75 To 150, Add	15.62	
For >500 To 1,000, Deduct	-3.98	
For >1,000 To 2,000, Deduct	-7.74	
For >2,000 To 5,000, Deduct	-11.94	
For >5,000, Deduct	-17.76	
33 01 30 72-0154 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	167.32	
For Up To 75, Add	35.76	
For >75 To 150, Add	16.73	
For >500 To 1,000, Deduct	-4.26	
For >1,000 To 2,000, Deduct	-8.30	
For >2,000 To 5,000, Deduct	-12.79	
For >5,000, Deduct	-19.02	
33 01 30 72-0155 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	178.48	
For Up To 75, Add	38.14	
For >75 To 150, Add	17.85	
For >500 To 1,000, Deduct	-4.55	
For >1,000 To 2,000, Deduct	-8.85	
For >2,000 To 5,000, Deduct	-13.64	
For >5,000, Deduct	-20.29	
33 01 30 72-0156 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	189.63	
For Up To 75, Add	40.52	
For >75 To 150, Add	18.96	
For >500 To 1,000, Deduct	-4.83	
For >1,000 To 2,000, Deduct	-9.40	
For >2,000 To 5,000, Deduct	-14.49	
For >5,000, Deduct	-21.56	
33 01 30 72-0157 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	200.79	
For Up To 75, Add	42.91	
For >75 To 150, Add	20.08	
For >500 To 1,000, Deduct	-5.12	
For >1,000 To 2,000, Deduct	-9.96	
For >2,000 To 5,000, Deduct	-15.35	
For >5,000, Deduct	-22.83	
33 01 30 72-0158 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	211.94	
For Up To 75, Add	45.29	
For >75 To 150, Add	21.19	
For >500 To 1,000, Deduct	-5.40	
For >1,000 To 2,000, Deduct	-10.51	
For >2,000 To 5,000, Deduct	-16.20	
For >5,000, Deduct	-24.10	
33 01 30 72-0159 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	223.10	
For Up To 75, Add	47.68	
For >75 To 150, Add	22.31	
For >500 To 1,000, Deduct	-5.68	
For >1,000 To 2,000, Deduct	-11.06	
For >2,000 To 5,000, Deduct	-17.05	
For >5,000, Deduct	-25.37	
33 01 30 72-0160 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane.....	7.10	

33 01 30 72-0161 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 72-0090)
 Note: Two part structural polyurethane.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0162 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	77.65	
For Up To 75, Add	16.50	
For >75 To 150, Add	7.77	
For >500 To 1,000, Deduct	-1.94	
For >1,000 To 2,000, Deduct	-3.78	
For >2,000 To 5,000, Deduct	-5.82	
For >5,000, Deduct	-8.73	
33 01 30 72-0163 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	90.59	
For Up To 75, Add	19.24	
For >75 To 150, Add	9.06	
For >500 To 1,000, Deduct	-2.26	
For >1,000 To 2,000, Deduct	-4.41	
For >2,000 To 5,000, Deduct	-6.79	
For >5,000, Deduct	-10.18	
33 01 30 72-0164 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	103.53	
For Up To 75, Add	21.99	
For >75 To 150, Add	10.35	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,000, Deduct	-5.04	
For >2,000 To 5,000, Deduct	-7.76	
For >5,000, Deduct	-11.64	
33 01 30 72-0165 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	116.47	
For Up To 75, Add	24.74	
For >75 To 150, Add	11.65	
For >500 To 1,000, Deduct	-2.91	
For >1,000 To 2,000, Deduct	-5.67	
For >2,000 To 5,000, Deduct	-8.72	
For >5,000, Deduct	-13.09	
33 01 30 72-0166 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	129.42	
For Up To 75, Add	27.49	
For >75 To 150, Add	12.94	
For >500 To 1,000, Deduct	-3.23	
For >1,000 To 2,000, Deduct	-6.30	
For >2,000 To 5,000, Deduct	-9.70	
For >5,000, Deduct	-14.55	
33 01 30 72-0167 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	142.36	
For Up To 75, Add	30.24	
For >75 To 150, Add	14.24	
For >500 To 1,000, Deduct	-3.55	
For >1,000 To 2,000, Deduct	-6.93	
For >2,000 To 5,000, Deduct	-10.66	
For >5,000, Deduct	-16.01	
33 01 30 72-0168 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	155.29	
For Up To 75, Add	32.99	
For >75 To 150, Add	15.53	
For >500 To 1,000, Deduct	-3.88	
For >1,000 To 2,000, Deduct	-7.56	
For >2,000 To 5,000, Deduct	-11.63	
For >5,000, Deduct	-17.46	
33 01 30 72-0169 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	168.25	
For Up To 75, Add	35.74	
For >75 To 150, Add	16.83	
For >500 To 1,000, Deduct	-4.20	
For >1,000 To 2,000, Deduct	-8.19	
For >2,000 To 5,000, Deduct	-12.60	
For >5,000, Deduct	-18.92	
33 01 30 72-0170 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	181.19	
For Up To 75, Add	38.49	
For >75 To 150, Add	18.12	
For >500 To 1,000, Deduct	-4.52	
For >1,000 To 2,000, Deduct	-8.82	
For >2,000 To 5,000, Deduct	-13.57	
For >5,000, Deduct	-20.37	
33 01 30 72-0171 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	194.12	
For Up To 75, Add	41.24	
For >75 To 150, Add	19.41	
For >500 To 1,000, Deduct	-4.85	
For >1,000 To 2,000, Deduct	-9.45	
For >2,000 To 5,000, Deduct	-14.54	
For >5,000, Deduct	-21.82	
33 01 30 72-0172 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	207.07	
For Up To 75, Add	43.99	
For >75 To 150, Add	20.71	
For >500 To 1,000, Deduct	-5.17	
For >1,000 To 2,000, Deduct	-10.08	
For >2,000 To 5,000, Deduct	-15.51	
For >5,000, Deduct	-23.28	
33 01 30 72-0173 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	220.01	
For Up To 75, Add	46.74	
For >75 To 150, Add	22.00	
For >500 To 1,000, Deduct	-5.49	
For >1,000 To 2,000, Deduct	-10.71	
For >2,000 To 5,000, Deduct	-16.48	
For >5,000, Deduct	-24.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0174 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	232.95	
<i>For Up To 75, Add</i>	49.48	
<i>For >75 To 150, Add</i>	23.30	
<i>For >500 To 1,000, Deduct</i>	-5.82	
<i>For >1,000 To 2,000, Deduct</i>	-11.34	
<i>For >2,000 To 5,000, Deduct</i>	-17.45	
<i>For >5,000, Deduct</i>	-26.19	
33 01 30 72-0175 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	245.89	
<i>For Up To 75, Add</i>	52.23	
<i>For >75 To 150, Add</i>	24.59	
<i>For >500 To 1,000, Deduct</i>	-6.14	
<i>For >1,000 To 2,000, Deduct</i>	-11.97	
<i>For >2,000 To 5,000, Deduct</i>	-18.42	
<i>For >5,000, Deduct</i>	-27.64	
33 01 30 72-0176 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	258.83	
<i>For Up To 75, Add</i>	54.98	
<i>For >75 To 150, Add</i>	25.88	
<i>For >500 To 1,000, Deduct</i>	-6.46	
<i>For >1,000 To 2,000, Deduct</i>	-12.60	
<i>For >2,000 To 5,000, Deduct</i>	-19.39	
<i>For >5,000, Deduct</i>	-29.10	
33 01 30 72-0177 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane.....	8.23	
33 01 30 72-0178 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 72-0090)		
Note: Two part structural polyurethane.		
33 01 30 72-0179 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	99.19	
<i>For Up To 75, Add</i>	20.91	
<i>For >75 To 150, Add</i>	9.92	
<i>For >500 To 1,000, Deduct</i>	-2.41	
<i>For >1,000 To 2,000, Deduct</i>	-4.72	
<i>For >2,000 To 5,000, Deduct</i>	-7.24	
<i>For >5,000, Deduct</i>	-10.99	
33 01 30 72-0180 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	115.73	
<i>For Up To 75, Add</i>	24.40	
<i>For >75 To 150, Add</i>	11.57	
<i>For >500 To 1,000, Deduct</i>	-2.82	
<i>For >1,000 To 2,000, Deduct</i>	-5.50	
<i>For >2,000 To 5,000, Deduct</i>	-8.45	
<i>For >5,000, Deduct</i>	-12.82	
33 01 30 72-0181 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	132.26	
<i>For Up To 75, Add</i>	27.88	
<i>For >75 To 150, Add</i>	13.23	
<i>For >500 To 1,000, Deduct</i>	-3.22	
<i>For >1,000 To 2,000, Deduct</i>	-6.29	
<i>For >2,000 To 5,000, Deduct</i>	-9.65	
<i>For >5,000, Deduct</i>	-14.66	
33 01 30 72-0182 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	148.80	
<i>For Up To 75, Add</i>	31.37	
<i>For >75 To 150, Add</i>	14.88	
<i>For >500 To 1,000, Deduct</i>	-3.62	
<i>For >1,000 To 2,000, Deduct</i>	-7.08	
<i>For >2,000 To 5,000, Deduct</i>	-10.86	
<i>For >5,000, Deduct</i>	-16.49	
33 01 30 72-0183 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	165.32	
<i>For Up To 75, Add</i>	34.85	
<i>For >75 To 150, Add</i>	16.53	
<i>For >500 To 1,000, Deduct</i>	-4.02	
<i>For >1,000 To 2,000, Deduct</i>	-7.86	
<i>For >2,000 To 5,000, Deduct</i>	-12.06	
<i>For >5,000, Deduct</i>	-18.32	
33 01 30 72-0184 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	181.86	
<i>For Up To 75, Add</i>	38.34	
<i>For >75 To 150, Add</i>	18.19	
<i>For >500 To 1,000, Deduct</i>	-4.42	
<i>For >1,000 To 2,000, Deduct</i>	-8.65	
<i>For >2,000 To 5,000, Deduct</i>	-13.27	
<i>For >5,000, Deduct</i>	-20.15	
33 01 30 72-0185 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	198.39	
<i>For Up To 75, Add</i>	41.82	
<i>For >75 To 150, Add</i>	19.84	
<i>For >500 To 1,000, Deduct</i>	-4.83	
<i>For >1,000 To 2,000, Deduct</i>	-9.44	
<i>For >2,000 To 5,000, Deduct</i>	-14.48	
<i>For >5,000, Deduct</i>	-21.98	
33 01 30 72-0186 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	214.93	
<i>For Up To 75, Add</i>	45.31	
<i>For >75 To 150, Add</i>	21.49	
<i>For >500 To 1,000, Deduct</i>	-5.23	
<i>For >1,000 To 2,000, Deduct</i>	-10.22	
<i>For >2,000 To 5,000, Deduct</i>	-15.68	
<i>For >5,000, Deduct</i>	-23.82	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0187 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	231.46	
For Up To 75, Add	48.79	
For >75 To 150, Add	23.15	
For >500 To 1,000, Deduct	-5.63	
For >1,000 To 2,000, Deduct	-11.01	
For >2,000 To 5,000, Deduct	-16.89	
For >5,000, Deduct	-25.65	
33 01 30 72-0188 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	248.00	
For Up To 75, Add	52.28	
For >75 To 150, Add	24.80	
For >500 To 1,000, Deduct	-6.03	
For >1,000 To 2,000, Deduct	-11.80	
For >2,000 To 5,000, Deduct	-18.10	
For >5,000, Deduct	-27.48	
33 01 30 72-0189 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	264.51	
For Up To 75, Add	55.76	
For >75 To 150, Add	26.45	
For >500 To 1,000, Deduct	-6.43	
For >1,000 To 2,000, Deduct	-12.58	
For >2,000 To 5,000, Deduct	-19.30	
For >5,000, Deduct	-29.31	
33 01 30 72-0190 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	281.05	
For Up To 75, Add	59.25	
For >75 To 150, Add	28.11	
For >500 To 1,000, Deduct	-6.84	
For >1,000 To 2,000, Deduct	-13.37	
For >2,000 To 5,000, Deduct	-20.51	
For >5,000, Deduct	-31.14	
33 01 30 72-0191 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	297.58	
For Up To 75, Add	62.73	
For >75 To 150, Add	29.76	
For >500 To 1,000, Deduct	-7.24	
For >1,000 To 2,000, Deduct	-14.15	
For >2,000 To 5,000, Deduct	-21.71	
For >5,000, Deduct	-32.97	
33 01 30 72-0192 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	314.12	
For Up To 75, Add	66.22	
For >75 To 150, Add	31.41	
For >500 To 1,000, Deduct	-7.64	
For >1,000 To 2,000, Deduct	-14.94	
For >2,000 To 5,000, Deduct	-22.92	
For >5,000, Deduct	-34.81	
33 01 30 72-0193 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	330.65	
For Up To 75, Add	69.70	
For >75 To 150, Add	33.07	
For >500 To 1,000, Deduct	-8.04	
For >1,000 To 2,000, Deduct	-15.73	
For >2,000 To 5,000, Deduct	-24.13	
For >5,000, Deduct	-36.64	
33 01 30 72-0194 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane.....	10.52	
33 01 30 72-0195 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 72-0090)		
Note: Two part structural polyurethane.		
33 01 30 72-0196 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	121.01	
For Up To 75, Add	25.39	
For >75 To 150, Add	12.10	
For >500 To 1,000, Deduct	-2.90	
For >1,000 To 2,000, Deduct	-5.67	
For >2,000 To 5,000, Deduct	-8.69	
For >5,000, Deduct	-13.29	
33 01 30 72-0197 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	141.18	
For Up To 75, Add	29.63	
For >75 To 150, Add	14.12	
For >500 To 1,000, Deduct	-3.38	
For >1,000 To 2,000, Deduct	-6.62	
For >2,000 To 5,000, Deduct	-10.14	
For >5,000, Deduct	-15.51	
33 01 30 72-0198 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	161.36	
For Up To 75, Add	33.86	
For >75 To 150, Add	16.14	
For >500 To 1,000, Deduct	-3.86	
For >1,000 To 2,000, Deduct	-7.57	
For >2,000 To 5,000, Deduct	-11.59	
For >5,000, Deduct	-17.72	
33 01 30 72-0199 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	181.52	
For Up To 75, Add	38.09	
For >75 To 150, Add	18.15	
For >500 To 1,000, Deduct	-4.35	
For >1,000 To 2,000, Deduct	-8.51	
For >2,000 To 5,000, Deduct	-13.04	
For >5,000, Deduct	-19.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0200	LF		60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....201.70		
			<i>For Up To 75, Add</i>	42.33	
			<i>For >75 To 150, Add</i>	20.17	
			<i>For >500 To 1,000, Deduct</i>	-4.83	
			<i>For >1,000 To 2,000, Deduct</i>	-9.46	
			<i>For >2,000 To 5,000, Deduct</i>	-14.48	
			<i>For >5,000, Deduct</i>	-22.16	
33 01 30 72-0201	LF		66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....221.86		
			<i>For Up To 75, Add</i>	46.56	
			<i>For >75 To 150, Add</i>	22.19	
			<i>For >500 To 1,000, Deduct</i>	-5.31	
			<i>For >1,000 To 2,000, Deduct</i>	-10.40	
			<i>For >2,000 To 5,000, Deduct</i>	-15.93	
			<i>For >5,000, Deduct</i>	-24.37	
33 01 30 72-0202	LF		72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....242.04		
			<i>For Up To 75, Add</i>	50.79	
			<i>For >75 To 150, Add</i>	24.20	
			<i>For >500 To 1,000, Deduct</i>	-5.79	
			<i>For >1,000 To 2,000, Deduct</i>	-11.35	
			<i>For >2,000 To 5,000, Deduct</i>	-17.38	
			<i>For >5,000, Deduct</i>	-26.59	
33 01 30 72-0203	LF		78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....262.19		
			<i>For Up To 75, Add</i>	55.02	
			<i>For >75 To 150, Add</i>	26.22	
			<i>For >500 To 1,000, Deduct</i>	-6.28	
			<i>For >1,000 To 2,000, Deduct</i>	-12.29	
			<i>For >2,000 To 5,000, Deduct</i>	-18.83	
			<i>For >5,000, Deduct</i>	-28.80	
33 01 30 72-0204	LF		84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....282.37		
			<i>For Up To 75, Add</i>	59.25	
			<i>For >75 To 150, Add</i>	28.24	
			<i>For >500 To 1,000, Deduct</i>	-6.76	
			<i>For >1,000 To 2,000, Deduct</i>	-13.24	
			<i>For >2,000 To 5,000, Deduct</i>	-20.28	
			<i>For >5,000, Deduct</i>	-31.02	
33 01 30 72-0205	LF		90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....302.54		
			<i>For Up To 75, Add</i>	63.49	
			<i>For >75 To 150, Add</i>	30.25	
			<i>For >500 To 1,000, Deduct</i>	-7.24	
			<i>For >1,000 To 2,000, Deduct</i>	-14.19	
			<i>For >2,000 To 5,000, Deduct</i>	-21.73	
			<i>For >5,000, Deduct</i>	-33.23	
33 01 30 72-0206	LF		96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....322.71		
			<i>For Up To 75, Add</i>	67.72	
			<i>For >75 To 150, Add</i>	32.27	
			<i>For >500 To 1,000, Deduct</i>	-7.72	
			<i>For >1,000 To 2,000, Deduct</i>	-15.13	
			<i>For >2,000 To 5,000, Deduct</i>	-23.17	
			<i>For >5,000, Deduct</i>	-35.45	
33 01 30 72-0207	LF		102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....342.88		
			<i>For Up To 75, Add</i>	71.95	
			<i>For >75 To 150, Add</i>	34.29	
			<i>For >500 To 1,000, Deduct</i>	-8.21	
			<i>For >1,000 To 2,000, Deduct</i>	-16.08	
			<i>For >2,000 To 5,000, Deduct</i>	-24.62	
			<i>For >5,000, Deduct</i>	-37.66	
33 01 30 72-0208	LF		108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....363.05		
			<i>For Up To 75, Add</i>	76.18	
			<i>For >75 To 150, Add</i>	36.31	
			<i>For >500 To 1,000, Deduct</i>	-8.69	
			<i>For >1,000 To 2,000, Deduct</i>	-17.02	
			<i>For >2,000 To 5,000, Deduct</i>	-26.07	
			<i>For >5,000, Deduct</i>	-39.88	
33 01 30 72-0209	LF		114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....383.22		
			<i>For Up To 75, Add</i>	80.42	
			<i>For >75 To 150, Add</i>	38.32	
			<i>For >500 To 1,000, Deduct</i>	-9.17	
			<i>For >1,000 To 2,000, Deduct</i>	-17.97	
			<i>For >2,000 To 5,000, Deduct</i>	-27.52	
			<i>For >5,000, Deduct</i>	-42.09	
33 01 30 72-0210	LF		120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....403.40		
			<i>For Up To 75, Add</i>	84.65	
			<i>For >75 To 150, Add</i>	40.34	
			<i>For >500 To 1,000, Deduct</i>	-9.66	
			<i>For >1,000 To 2,000, Deduct</i>	-18.92	
			<i>For >2,000 To 5,000, Deduct</i>	-28.97	
			<i>For >5,000, Deduct</i>	-44.31	
33 01 30 72-0211	SF		Structure Lining, Spray Applied With 500 mil Structural Polyurethane.....12.83		
33 01 30 72-0212			Relining Underground Water Pipelines <small>(33 01 30 72)</small>		
			Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 30 72-0213			Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 30 72-0212)</small>		
33 01 30 72-0214	EA		Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....3,748.47		
33 01 30 72-0215	EA		Move And Reset Up At Different Access/Location .....1,499.39		

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0216 Lining Pipe With Cement <small>(33 01 30 72-0212)</small>		
33 01 30 72-0217 LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement.....	45.70	
For 3/16" Thickness, Add	0.46	
For 1/4" Thickness, Add	0.91	
33 01 30 72-0218 LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	40.64	
For 3/16" Thickness, Add	0.46	
For 1/4" Thickness, Add	0.91	
33 01 30 72-0219 LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	33.86	
For 3/16" Thickness, Add	0.46	
For 1/4" Thickness, Add	0.91	
33 01 30 72-0220 LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	25.36	
For 3/16" Thickness, Add	0.46	
For 1/4" Thickness, Add	0.91	
33 01 30 72-0221 LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement.....	47.30	
For 3/16" Thickness, Add	0.68	
For 1/4" Thickness, Add	1.36	
33 01 30 72-0222 LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	42.06	
For 3/16" Thickness, Add	0.68	
For 1/4" Thickness, Add	1.36	
33 01 30 72-0223 LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	35.05	
For 3/16" Thickness, Add	0.68	
For 1/4" Thickness, Add	1.36	
33 01 30 72-0224 LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	26.42	
For 3/16" Thickness, Add	0.68	
For 1/4" Thickness, Add	1.36	
33 01 30 72-0225 LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement.....	48.84	
For 3/16" Thickness, Add	0.91	
For 1/4" Thickness, Add	1.81	
33 01 30 72-0226 LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.48	
For 3/16" Thickness, Add	0.91	
For 1/4" Thickness, Add	1.81	
33 01 30 72-0227 LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	36.23	
For 3/16" Thickness, Add	0.91	
For 1/4" Thickness, Add	1.81	
33 01 30 72-0228 LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	27.49	
For 3/16" Thickness, Add	0.91	
For 1/4" Thickness, Add	1.81	
33 01 30 72-0229 LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement.....	49.95	
For 3/16" Thickness, Add	1.14	
For 1/4" Thickness, Add	2.27	
33 01 30 72-0230 LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	44.50	
For 3/16" Thickness, Add	1.14	
For 1/4" Thickness, Add	2.27	
33 01 30 72-0231 LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement.....	37.16	
For 3/16" Thickness, Add	1.14	
For 1/4" Thickness, Add	2.27	
33 01 30 72-0232 LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	28.56	
For 3/16" Thickness, Add	1.14	
For 1/4" Thickness, Add	2.27	
33 01 30 72-0233 LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	53.85	
For 3/16" Thickness, Add	1.36	
For 1/4" Thickness, Add	2.72	
33 01 30 72-0234 LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	48.05	
For 3/16" Thickness, Add	1.36	
For 1/4" Thickness, Add	2.72	
33 01 30 72-0235 LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement.....	40.24	
For 3/16" Thickness, Add	1.36	
For 1/4" Thickness, Add	2.72	
33 01 30 72-0236 LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement	30.95	
For 3/16" Thickness, Add	1.36	
For 1/4" Thickness, Add	2.72	
33 01 30 72-0237 LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	57.22	
For 1/4" Thickness, Add	1.52	
For 5/16" Thickness, Add	3.03	
33 01 30 72-0238 LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	51.21	
For 1/4" Thickness, Add	1.52	
For 5/16" Thickness, Add	3.03	
33 01 30 72-0239 LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	43.07	
For 1/4" Thickness, Add	1.52	
For 5/16" Thickness, Add	3.03	
33 01 30 72-0240 LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	34.17	
For 1/4" Thickness, Add	1.52	
For 5/16" Thickness, Add	3.03	
33 01 30 72-0241 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	59.67	
For 1/4" Thickness, Add	1.82	
For 5/16" Thickness, Add	3.63	
33 01 30 72-0242 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	53.48	
For 1/4" Thickness, Add	1.82	
For 5/16" Thickness, Add	3.63	
33 01 30 72-0243 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	45.05	
For 1/4" Thickness, Add	1.82	
For 5/16" Thickness, Add	3.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0244 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	36.62	
<i>For 1/4" Thickness, Add</i>	1.82	
<i>For 5/16" Thickness, Add</i>	3.63	
33 01 30 72-0245 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	62.83	
<i>For 1/4" Thickness, Add</i>	2.12	
<i>For 5/16" Thickness, Add</i>	4.24	
33 01 30 72-0246 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	56.41	
<i>For 1/4" Thickness, Add</i>	2.12	
<i>For 5/16" Thickness, Add</i>	4.24	
33 01 30 72-0247 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	47.59	
<i>For 1/4" Thickness, Add</i>	2.12	
<i>For 5/16" Thickness, Add</i>	4.24	
33 01 30 72-0248 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	39.69	
<i>For 1/4" Thickness, Add</i>	2.12	
<i>For 5/16" Thickness, Add</i>	4.24	
33 01 30 72-0249 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	66.05	
<i>For 1/4" Thickness, Add</i>	2.42	
<i>For 5/16" Thickness, Add</i>	4.85	
33 01 30 72-0250 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	59.38	
<i>For 1/4" Thickness, Add</i>	2.42	
<i>For 5/16" Thickness, Add</i>	4.85	
33 01 30 72-0251 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	50.27	
<i>For 1/4" Thickness, Add</i>	2.42	
<i>For 5/16" Thickness, Add</i>	4.85	
33 01 30 72-0252 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement	42.93	
<i>For 1/4" Thickness, Add</i>	2.42	
<i>For 5/16" Thickness, Add</i>	4.85	
33 01 30 72-0253 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	70.10	
<i>For 1/4" Thickness, Add</i>	3.03	
<i>For 5/16" Thickness, Add</i>	6.05	
33 01 30 72-0254 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	63.04	
<i>For 1/4" Thickness, Add</i>	3.03	
<i>For 5/16" Thickness, Add</i>	6.05	
33 01 30 72-0255 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	53.40	
<i>For 1/4" Thickness, Add</i>	3.03	
<i>For 5/16" Thickness, Add</i>	6.05	
33 01 30 72-0256 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement	45.98	
<i>For 1/4" Thickness, Add</i>	3.03	
<i>For 5/16" Thickness, Add</i>	6.05	
33 01 30 72-0257 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	74.10	
<i>For 1/4" Thickness, Add</i>	3.64	
<i>For 5/16" Thickness, Add</i>	7.27	
33 01 30 72-0258 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	66.73	
<i>For 1/4" Thickness, Add</i>	3.64	
<i>For 5/16" Thickness, Add</i>	7.27	
33 01 30 72-0259 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	56.55	
<i>For 1/4" Thickness, Add</i>	3.64	
<i>For 5/16" Thickness, Add</i>	7.27	
33 01 30 72-0260 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement	49.04	
<i>For 1/4" Thickness, Add</i>	3.64	
<i>For 5/16" Thickness, Add</i>	7.27	
33 01 30 72-0261 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement.....	88.16	
<i>For 3/8" Thickness, Add</i>	9.54	
<i>For 7/16" Thickness, Add</i>	14.31	
33 01 30 72-0262 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	80.12	
<i>For 3/8" Thickness, Add</i>	9.54	
<i>For 7/16" Thickness, Add</i>	14.31	
33 01 30 72-0263 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	69.05	
<i>For 3/8" Thickness, Add</i>	9.54	
<i>For 7/16" Thickness, Add</i>	14.31	
33 01 30 72-0264 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement	61.31	
<i>For 3/8" Thickness, Add</i>	9.54	
<i>For 7/16" Thickness, Add</i>	14.31	
33 01 30 72-0265 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement.....	96.69	
<i>For 3/8" Thickness, Add</i>	10.91	
<i>For 7/16" Thickness, Add</i>	16.36	
33 01 30 72-0266 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	88.09	
<i>For 3/8" Thickness, Add</i>	10.91	
<i>For 7/16" Thickness, Add</i>	16.36	
33 01 30 72-0267 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	76.19	
<i>For 3/8" Thickness, Add</i>	10.91	
<i>For 7/16" Thickness, Add</i>	16.36	
33 01 30 72-0268 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	68.30	
<i>For 3/8" Thickness, Add</i>	10.91	
<i>For 7/16" Thickness, Add</i>	16.36	
33 01 30 72-0269 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement.....	100.79	
<i>For 3/8" Thickness, Add</i>	12.27	
<i>For 7/16" Thickness, Add</i>	18.40	
33 01 30 72-0270 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	92.02	
<i>For 3/8" Thickness, Add</i>	12.27	
<i>For 7/16" Thickness, Add</i>	18.40	
33 01 30 72-0271 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	79.84	
<i>For 3/8" Thickness, Add</i>	12.27	
<i>For 7/16" Thickness, Add</i>	18.40	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0272 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	72.26	
For 3/8" Thickness, Add	12.27	
For 7/16" Thickness, Add	18.40	
33 01 30 72-0273 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement.....	104.92	
For 3/8" Thickness, Add	13.63	
For 7/16" Thickness, Add	20.45	
33 01 30 72-0274 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	95.98	
For 3/8" Thickness, Add	13.63	
For 7/16" Thickness, Add	20.45	
33 01 30 72-0275 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement.....	83.57	
For 3/8" Thickness, Add	13.63	
For 7/16" Thickness, Add	20.45	
33 01 30 72-0276 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	76.22	
For 3/8" Thickness, Add	13.63	
For 7/16" Thickness, Add	20.45	
33 01 30 72-0277 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement.....	109.28	
For 3/8" Thickness, Add	15.00	
For 7/16" Thickness, Add	22.49	
33 01 30 72-0278 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	100.14	
For 3/8" Thickness, Add	15.00	
For 7/16" Thickness, Add	22.49	
33 01 30 72-0279 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement.....	87.54	
For 3/8" Thickness, Add	15.00	
For 7/16" Thickness, Add	22.49	
33 01 30 72-0280 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	80.73	
For 3/8" Thickness, Add	15.00	
For 7/16" Thickness, Add	22.49	
33 01 30 72-0281 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement.....	113.93	
For 3/8" Thickness, Add	16.36	
For 7/16" Thickness, Add	24.53	
33 01 30 72-0282 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	104.64	
For 3/8" Thickness, Add	16.36	
For 7/16" Thickness, Add	24.53	
33 01 30 72-0283 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement.....	91.73	
For 3/8" Thickness, Add	16.36	
For 7/16" Thickness, Add	24.53	
33 01 30 72-0284 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	85.31	
For 3/8" Thickness, Add	16.36	
For 7/16" Thickness, Add	24.53	
33 01 30 81 Manhole Rehabilitation (33 01 30)		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole.....	133.14	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	8,195.95	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA Installation And Maintenance Of Ventilation System, 60" to 108" diameter to 2,600'.....	11,541.90	
Note: For internal inspection and repair of water mains		
33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)		
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	359.20	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	378.60	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	388.31	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	446.57	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	504.81	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	563.06	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	679.56	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation	524.22	
33 01 30 81-0017 EA 30" External Manhole Encapsulation	553.35	
33 01 30 81-0018 EA 36" External Manhole Encapsulation	592.19	
33 01 30 81-0019 EA 42" External Manhole Encapsulation	640.72	
33 01 30 81-0020 EA 48" External Manhole Encapsulation	708.67	
33 01 30 81-0021 EA 54" External Manhole Encapsulation	786.34	
33 01 30 81-0022 EA 60" External Manhole Encapsulation	883.42	
33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	40.77	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	54.83	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	39.22	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	52.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0028 Manhole Patching <small>(33 01 30 81-0001)</small>		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	10.53	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	26.44	
33 01 30 81-0031 Manhole Joint Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,343.81	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		182.74
33 01 30 81-0033 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,568.63	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		200.69
33 01 30 81-0034 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,791.74	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		218.65
33 01 30 81-0035 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,105.86	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		227.63
33 01 30 81-0036 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,419.13	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add		236.60
33 01 30 81-0037 Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small>		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038 EA Drill And Grout 7" x 9" Cast Iron Manhole Steps.....	84.74	17.86
33 01 30 81-0039 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	90.22	17.86
33 01 30 81-0040 EA Drill And Grout Galvanized Steel Manhole Step.....	77.56	17.86
33 01 30 81-0041 EA Bolt On Galvanized Steel Manhole Step.....	87.66	17.86
33 01 30 81-0042 EA Drill And Grout Aluminum Manhole Step.....	75.00	17.86
33 01 30 81-0043 EA Drill And Insert Polypropylene Manhole Step.....	48.34	14.29
33 01 30 81-0044 Invert Restoration <small>(33 01 30 81-0001)</small>		
Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0045 Concrete Invert Restoration <small>(33 01 30 81-0044)</small>		
33 01 30 81-0046 EA 2' Diameter, Concrete Invert Restoration.....	263.89	
33 01 30 81-0047 EA 3' Diameter, Concrete Invert Restoration.....	297.18	
33 01 30 81-0048 EA 4' Diameter, Concrete Invert Restoration.....	330.45	
33 01 30 81-0049 EA 5' Diameter, Concrete Invert Restoration.....	363.74	
33 01 30 81-0050 EA 6' Diameter, Concrete Invert Restoration.....	463.60	
33 01 30 81-0051 SF Square Or Rectangular, Concrete Invert Restoration.....	26.28	
33 01 30 81-0052 Brick Invert Restoration <small>(33 01 30 81-0044)</small>		
33 01 30 81-0053 EA 2' Diameter, Brick Invert Restoration.....	409.43	
33 01 30 81-0054 EA 3' Diameter, Brick Invert Restoration.....	442.71	
33 01 30 81-0055 EA 4' Diameter, Brick Invert Restoration.....	476.00	
33 01 30 81-0056 EA 5' Diameter, Brick Invert Restoration.....	509.28	
33 01 30 81-0057 EA 6' Diameter, Brick Invert Restoration.....	542.57	
33 01 30 81-0058 SF Square Or Rectangular, Brick Invert Restoration.....	36.88	
33 01 30 82 Lining For Concrete Manholes <small>(33 01 30)</small>		
33 01 30 82-0001 Manhole Lining <small>(33 01 30 82)</small>		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 82-0002 Cementitious Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	104.81	
For Each Additional 1/2" Thick Material, Add		26.10
For 2 To 5 Manholes, Deduct		-7.37
For 6 To 10 Manholes, Deduct		-12.13
For >10 Manholes, Deduct		-24.25
33 01 30 82-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	121.53	
For Each Additional 1/2" Thick Material, Add		30.38
For 2 To 5 Manholes, Deduct		-8.55
For 6 To 10 Manholes, Deduct		-14.05
For >10 Manholes, Deduct		-28.10
33 01 30 82-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	138.26	
For Each Additional 1/2" Thick Material, Add		34.65
For 2 To 5 Manholes, Deduct		-9.72
For 6 To 10 Manholes, Deduct		-15.98
For >10 Manholes, Deduct		-31.96

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior	162.87	
For Each Additional 1/2" Thick Material, Add	42.44	
For 2 To 5 Manholes, Deduct	-11.40	
For 6 To 10 Manholes, Deduct	-18.72	
For >10 Manholes, Deduct	-37.45	
33 01 30 82-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior	178.21	
For Each Additional 1/2" Thick Material, Add	49.06	
For 2 To 5 Manholes, Deduct	-12.39	
For 6 To 10 Manholes, Deduct	-20.32	
For >10 Manholes, Deduct	-40.65	
33 01 30 82-0008 Polyurethane Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	212.61	
For 80 Mil Material, Add	18.68	
For 100 Mil Material, Add	37.37	
For 125 Mil Material, Add	56.94	
For 150 Mil Material, Add	76.50	
For 200 Mil Material, Add	105.54	
For 2 To 5 Manholes, Deduct	-15.68	
For 6 To 10 Manholes, Deduct	-26.05	
For >10 Manholes, Deduct	-52.09	
33 01 30 82-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	259.27	
For 80 Mil Material, Add	22.64	
For 100 Mil Material, Add	45.28	
For 125 Mil Material, Add	68.95	
For 150 Mil Material, Add	92.63	
For 200 Mil Material, Add	127.62	
For 2 To 5 Manholes, Deduct	-19.14	
For 6 To 10 Manholes, Deduct	-31.79	
For >10 Manholes, Deduct	-63.58	
33 01 30 82-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	283.48	
For 80 Mil Material, Add	24.91	
For 100 Mil Material, Add	49.83	
For 125 Mil Material, Add	75.92	
For 150 Mil Material, Add	102.01	
For 200 Mil Material, Add	140.73	
For 2 To 5 Manholes, Deduct	-20.91	
For 6 To 10 Manholes, Deduct	-34.73	
For >10 Manholes, Deduct	-69.46	
33 01 30 82-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	354.34	
For 80 Mil Material, Add	31.14	
For 100 Mil Material, Add	62.28	
For 125 Mil Material, Add	94.89	
For 150 Mil Material, Add	127.51	
For 200 Mil Material, Add	175.90	
For 2 To 5 Manholes, Deduct	-26.13	
For 6 To 10 Manholes, Deduct	-43.41	
For >10 Manholes, Deduct	-86.82	
33 01 30 82-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	425.22	
For 80 Mil Material, Add	37.37	
For 100 Mil Material, Add	74.74	
For 125 Mil Material, Add	113.88	
For 150 Mil Material, Add	153.02	
For 200 Mil Material, Add	211.09	
For 2 To 5 Manholes, Deduct	-31.36	
For 6 To 10 Manholes, Deduct	-52.09	
For >10 Manholes, Deduct	-104.18	
33 01 30 82-0014 Epoxy Manhole Restoration, Interior (33 01 30 82-0001)		
33 01 30 82-0015 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	232.72	
For 80 Mil Material, Add	25.39	
For 100 Mil Material, Add	50.77	
For 125 Mil Material, Add	78.72	
For 150 Mil Material, Add	106.67	
For 200 Mil Material, Add	152.46	
For 2 To 5 Manholes, Deduct	-16.69	
For 6 To 10 Manholes, Deduct	-27.55	
For >10 Manholes, Deduct	-55.11	
33 01 30 82-0016 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	282.76	
For 80 Mil Material, Add	30.47	
For 100 Mil Material, Add	60.94	
For 125 Mil Material, Add	94.40	
For 150 Mil Material, Add	127.86	
For 200 Mil Material, Add	182.43	
For 2 To 5 Manholes, Deduct	-20.31	
For 6 To 10 Manholes, Deduct	-33.55	
For >10 Manholes, Deduct	-67.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0017 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	310.28	
<i>For 80 Mil Material, Add</i>	33.85	
<i>For 100 Mil Material, Add</i>	67.69	
<i>For 125 Mil Material, Add</i>	104.95	
<i>For 150 Mil Material, Add</i>	142.21	
<i>For 200 Mil Material, Add</i>	203.26	
<i>For 2 To 5 Manholes, Deduct</i>	-22.25	
<i>For 6 To 10 Manholes, Deduct</i>	-36.74	
<i>For >10 Manholes, Deduct</i>	-73.48	
33 01 30 82-0018 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	387.88	
<i>For 80 Mil Material, Add</i>	42.32	
<i>For 100 Mil Material, Add</i>	84.64	
<i>For 125 Mil Material, Add</i>	131.23	
<i>For 150 Mil Material, Add</i>	177.82	
<i>For 200 Mil Material, Add</i>	254.16	
<i>For 2 To 5 Manholes, Deduct</i>	-27.81	
<i>For 6 To 10 Manholes, Deduct</i>	-45.92	
<i>For >10 Manholes, Deduct</i>	-91.85	
33 01 30 82-0019 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	465.46	
<i>For 80 Mil Material, Add</i>	50.78	
<i>For 100 Mil Material, Add</i>	101.57	
<i>For 125 Mil Material, Add</i>	157.47	
<i>For 150 Mil Material, Add</i>	213.38	
<i>For 200 Mil Material, Add</i>	304.99	
<i>For 2 To 5 Manholes, Deduct</i>	-33.37	
<i>For 6 To 10 Manholes, Deduct</i>	-55.11	
<i>For >10 Manholes, Deduct</i>	-110.22	
33 01 30 82-0020 Polyvinyl Chloride (PVC) Lining Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
Note: Wound strip liners.		
33 01 30 82-0021 VLF 3' Diameter CIP Multiplex Liner For Existing Manhole	319.03	
<i>For 2 To 5 Manholes, Deduct</i>	-19.11	
<i>For 6 To 10 Manholes, Deduct</i>	-30.25	
<i>For >10 Manholes, Deduct</i>	-60.51	
33 01 30 82-0022 VLF 3-1/2' Diameter CIP Multiplex Liner For Existing Manhole	390.60	
<i>For 2 To 5 Manholes, Deduct</i>	-23.40	
<i>For 6 To 10 Manholes, Deduct</i>	-37.03	
<i>For >10 Manholes, Deduct</i>	-74.05	
33 01 30 82-0023 VLF 4' Diameter CIP Multiplex Liner For Existing Manhole	456.65	
<i>For 2 To 5 Manholes, Deduct</i>	-27.05	
<i>For 6 To 10 Manholes, Deduct</i>	-42.68	
<i>For >10 Manholes, Deduct</i>	-85.37	
33 01 30 82-0024 VLF 5' Diameter CIP Multiplex Liner For Existing Manhole	572.49	
<i>For 2 To 5 Manholes, Deduct</i>	-33.90	
<i>For 6 To 10 Manholes, Deduct</i>	-53.48	
<i>For >10 Manholes, Deduct</i>	-106.96	
33 01 30 82-0025 VLF 6' Diameter CIP Multiplex Liner For Existing Manhole	688.32	
<i>For 2 To 5 Manholes, Deduct</i>	-40.74	
<i>For 6 To 10 Manholes, Deduct</i>	-64.28	
<i>For >10 Manholes, Deduct</i>	-128.55	
33 01 30 84 Manhole Rim Adjustment <small>(33 01 30)</small>		
33 01 30 84-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 84)</small>		
33 01 30 84-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 84-0001)</small>		
33 01 30 84-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	255.83	
33 01 30 84-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	286.79	
33 01 30 84-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	315.07	
33 01 30 84-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	347.04	
33 01 30 84-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	373.34	
33 01 30 84-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 84-0001)</small>		
33 01 30 84-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	297.86	
33 01 30 84-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	324.28	
33 01 30 84-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	357.26	
33 01 30 84-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	389.24	
33 01 30 84-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	420.20	
33 01 30 84-0014 >32-1/2" To 36" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 01 30 84-0001)</small>		
33 01 30 84-0015 EA Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	343.47	
33 01 30 84-0016 EA >4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	362.80	
33 01 30 84-0017 EA >5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	383.73	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 84-0018	>6" To 12" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 84-0001)</small>	
33 01 30 84-0019	EA >6" To 6-1/2" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser.....	416.96
33 01 30 84-0020	EA 7" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	452.93
33 01 30 84-0021	EA 7-1/2" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	489.56
33 01 30 84-0022	EA 8" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	519.16
33 01 30 84-0023	EA 9" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	563.52
33 01 30 84-0024	EA 10" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	604.13
33 01 30 84-0025	EA 11" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	644.08
33 01 30 84-0026	EA 12" Rise, Up To 36" Diameter, Solid, Cast Iron, Manhole Cover Riser	684.98
33 01 30 84-0027	>12" Rise, Solid Manhole Risers <small>(33 01 30 84)</small>	
33 01 30 84-0028	Precast Concrete Manhole Riser <small>(33 01 30 84-0027)</small>	
33 01 30 84-0029	VLF Up To 26" Diameter Precast Concrete Manhole Riser	80.54
33 01 30 84-0030	VLF >26" To 36" Diameter Precast Concrete Manhole Riser	96.31
33 01 30 84-0031	VLF >36" To 48" Diameter Precast Concrete Manhole Riser	109.82
33 01 30 84-0032	VLF >48" To 60" Diameter Precast Concrete Manhole Riser	217.43
33 01 30 84-0033	VLF >60" To 72" Diameter Precast Concrete Manhole Riser	319.63

33 05 Common Work Results For Utilities (33)**33 05 16 Utility Structures (33 05)****33 05 16 13 Precast Concrete Directional Structures (33 05 16)**

33 05 16 13-0001	Underground Utility Vaults And Structures <small>(33 05 16 13)</small> See CSI section 33 39 13 00-0001 for manholes, 33 39 13 00-0129 for frames and covers.	
33 05 16 13-0002	Precast Concrete Underground Utility Vault <small>(33 05 16 13-0001)</small> Note: Sizes given are for inside dimensions.	
33 05 16 13-0003	6' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>	
33 05 16 13-0004	EA 4' x 4' x 6' Precast Concrete Underground Utility Vault	2,590.13
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0005	EA 4' x 6' x 6' Precast Concrete Underground Utility Vault	3,376.25
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0006	EA 5' x 10' x 6' Precast Concrete Underground Utility Vault	5,570.01
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0007	EA 5' x 12' x 6' Precast Concrete Underground Utility Vault	6,431.49
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0008	EA 6' x 6' x 6' Precast Concrete Underground Utility Vault	4,314.67
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0009	EA 6' x 8' x 6' Precast Concrete Underground Utility Vault	5,252.28
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0010	EA 6' x 10' x 6' Precast Concrete Underground Utility Vault	6,190.72
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0011	EA 6' x 12' x 6' Precast Concrete Underground Utility Vault	8,944.38
	Note: 8" thick walls and top.	
33 05 16 13-0012	EA 6' x 14' x 6' Precast Concrete Underground Utility Vault	8,944.38
	Note: 8" thick walls and top.	
33 05 16 13-0013	EA 6' x 16' x 6' Precast Concrete Underground Utility Vault	11,262.39
	Note: 8" thick walls and top.	
33 05 16 13-0014	EA 8' x 8' x 6' Precast Concrete Underground Utility Vault	6,343.04
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0015	EA 8' x 10' x 6' Precast Concrete Underground Utility Vault	7,432.98
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0016	EA 8' x 12' x 6' Precast Concrete Underground Utility Vault	10,624.80
	Note: 8" thick walls and top.	
33 05 16 13-0017	EA 8' x 14' x 6' Precast Concrete Underground Utility Vault	11,958.16
	Note: 8" thick walls and top.	
33 05 16 13-0018	7' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>	
33 05 16 13-0019	EA 4' x 4' x 7' Precast Concrete Underground Utility Vault	2,851.44
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0020	EA 4' x 6' x 7' Precast Concrete Underground Utility Vault	3,702.51
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0021	EA 4' x 8' x 7' Precast Concrete Underground Utility Vault	4,553.55
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0022	EA 5' x 10' x 7' Precast Concrete Underground Utility Vault	6,059.00
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0023	EA 5' x 12' x 7' Precast Concrete Underground Utility Vault	6,986.20
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0024	EA 6' x 6' x 7' Precast Concrete Underground Utility Vault	4,705.85
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0025	EA 6' x 8' x 7' Precast Concrete Underground Utility Vault	5,709.24
	Note: 6" thick walls and 8" thick top.	
33 05 16 13-0026	EA 6' x 10' x 7' Precast Concrete Underground Utility Vault	6,712.57
	Note: 6" thick walls and 8" thick top.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,726.74	
33 05 16 13-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,218.71	
33 05 16 13-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,864.86	
33 05 16 13-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,019.76	
33 05 16 13-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,494.60	
33 05 16 13-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,913.67	
33 05 16 13-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,667.96	
33 05 16 13-0034 8' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,111.97	
33 05 16 13-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,028.75	
33 05 16 13-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,547.98	
33 05 16 13-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,540.12	
33 05 16 13-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,097.04	
33 05 16 13-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,165.34	
33 05 16 13-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,233.65	
33 05 16 13-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,509.10	
33 05 16 13-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,175.06	
33 05 16 13-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,385.93	
33 05 16 13-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,606.52	
33 05 16 13-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,363.53	
33 05 16 13-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,870.02	
33 05 16 13-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,537.50	
33 05 16 13-0049 10' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,488.24	
33 05 16 13-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,621.45	
33 05 16 13-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,406.40	
33 05 16 13-0053 12' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,879.43	
33 05 16 13-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,078.38	
33 05 16 13-0056 Meter Pit <small>(33 05 16 13-0001)</small>		
33 05 16 13-0057 Precast Concrete Meter Pit <small>(33 05 16 13-0056)</small>		
33 05 16 13-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,834.00	
33 05 16 13-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,444.83	
33 05 16 13-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,008.91	
33 05 16 13-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	3,692.96	
33 05 16 13-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	4,983.70	
33 05 16 13-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,741.89	
33 05 16 13-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	3,692.96	
33 05 16 13-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	4,699.74	
33 05 16 13-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	5,865.42	
33 05 16 13-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	8,088.27	
33 05 16 13-0068 Handhole Or Pull Box Enclosures <small>(33 05 16 13-0001)</small>		
33 05 16 13-0069 Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0068)</small>		
33 05 16 13-0070 Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0069)</small>		

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0071			Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0070)</small>		
33 05 16 13-0072			Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0071)</small>		
33 05 16 13-0073	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	193.00	18.93
33 05 16 13-0074	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	178.93	42.05
33 05 16 13-0075	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	272.65	63.08
33 05 16 13-0076	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	312.03	63.08
33 05 16 13-0077	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	299.02	63.08
33 05 16 13-0078	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	355.81	63.08
33 05 16 13-0079	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	347.24	63.08
33 05 16 13-0080	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	462.24	63.08
33 05 16 13-0081	EA		27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	653.90	84.10
33 05 16 13-0082	EA		27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	901.38	84.10
33 05 16 13-0083	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	612.43	115.63
33 05 16 13-0084	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	689.93	115.63
33 05 16 13-0085	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,093.11	115.63
33 05 16 13-0086	EA		39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	655.27	126.14
33 05 16 13-0087	EA		39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	909.14	126.14
33 05 16 13-0088	EA		39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,116.74	126.14
33 05 16 13-0089	EA		39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,607.76	126.14
33 05 16 13-0090	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	930.15	180.77
33 05 16 13-0091	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,312.24	180.77
33 05 16 13-0092			Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0071)</small>		
33 05 16 13-0093	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	244.44	18.93
33 05 16 13-0094	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	333.92	63.08
33 05 16 13-0095	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	397.31	63.08
33 05 16 13-0096	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	368.93	63.08
33 05 16 13-0097	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	417.47	63.08
33 05 16 13-0098	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	430.20	63.08
33 05 16 13-0099	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	545.91	63.08
33 05 16 13-0100	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	742.71	115.63
33 05 16 13-0101	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	820.21	115.63
33 05 16 13-0102	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,223.40	115.63
33 05 16 13-0103	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,082.40	180.77
33 05 16 13-0104	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,467.39	180.77
33 05 16 13-0105			Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0070)</small>		
33 05 16 13-0106			Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0107	EA		5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	310.64	18.93
33 05 16 13-0108	EA		10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	264.08	18.93
33 05 16 13-0109	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.29	63.08
33 05 16 13-0110	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	265.77	63.08
33 05 16 13-0111	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	80.16	18.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	119.10	18.93
33 05 16 13-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	186.68	18.93
33 05 16 13-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	194.86	18.93
33 05 16 13-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	176.08	42.05
33 05 16 13-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	188.62	42.05
33 05 16 13-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	117.43	18.93
33 05 16 13-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	132.75	18.93
33 05 16 13-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	187.32	42.05
33 05 16 13-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	208.41	42.05
33 05 16 13-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	194.76	42.05
33 05 16 13-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	239.57	63.08
33 05 16 13-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	260.26	63.08
33 05 16 13-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	275.64	63.08
33 05 16 13-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	298.81	63.08
33 05 16 13-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	345.01	63.08
33 05 16 13-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	373.04	63.08
33 05 16 13-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	403.71	63.08
33 05 16 13-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	423.00	63.08
33 05 16 13-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	508.52	84.10
33 05 16 13-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	528.47	115.63
33 05 16 13-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	662.79	115.63
33 05 16 13-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	786.81	115.63
33 05 16 13-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	865.14	115.63
33 05 16 13-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	943.05	115.63
33 05 16 13-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,079.21	180.77
33 05 16 13-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	804.64	180.77
33 05 16 13-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	904.12	180.77
33 05 16 13-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,094.34	180.77
33 05 16 13-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,092.39	180.77
33 05 16 13-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,163.39	180.77
33 05 16 13-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,299.95	180.77
33 05 16 13-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,206.23	193.68
33 05 16 13-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,302.65	193.68
33 05 16 13-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,425.74	193.68
33 05 16 13-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,474.99	193.68
33 05 16 13-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,492.11	193.68
33 05 16 13-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,679.67	193.68
33 05 16 13-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,315.42	193.68
33 05 16 13-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,710.62	193.68
33 05 16 13-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,921.05	206.59
33 05 16 13-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,351.04	206.59
33 05 16 13-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,991.85	206.59

33 05 16 13-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0105)

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	309.62	63.08
33 05 16 13-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	350.38	63.08
33 05 16 13-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	129.01	18.93
33 05 16 13-0158	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	182.23	18.93
33 05 16 13-0159	EA		8" x 8", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.05	18.93
33 05 16 13-0160	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	249.24	18.93
33 05 16 13-0161	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	229.63	42.05
33 05 16 13-0162	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.37	42.05
33 05 16 13-0163	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	250.04	42.05
33 05 16 13-0164	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	170.69	18.93
33 05 16 13-0165	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	199.98	18.93
33 05 16 13-0166	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	249.75	42.05
33 05 16 13-0167	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	270.84	42.05
33 05 16 13-0168	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	257.86	42.05
33 05 16 13-0169	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	309.23	63.08
33 05 16 13-0170	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	330.17	63.08
33 05 16 13-0171	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	358.76	63.08
33 05 16 13-0172	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	381.79	63.08
33 05 16 13-0173	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	427.85	63.08
33 05 16 13-0174	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	456.00	63.08
33 05 16 13-0175	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	486.54	63.08
33 05 16 13-0176	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	505.96	63.08
33 05 16 13-0177	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	623.13	84.10
33 05 16 13-0178	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	658.76	115.63
33 05 16 13-0179	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	792.92	115.63
33 05 16 13-0180	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	916.81	115.63
33 05 16 13-0181	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	995.02	115.63
33 05 16 13-0182	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,073.18	115.63
33 05 16 13-0183	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	955.45	180.77
33 05 16 13-0184	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,055.07	180.77
33 05 16 13-0185	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,245.15	180.77
33 05 16 13-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>					
33 05 16 13-0187	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	286.85	63.08
33 05 16 13-0188	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	328.73	63.08
33 05 16 13-0189	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	97.87	18.93
33 05 16 13-0190	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	154.89	18.93
33 05 16 13-0191	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	218.30	18.93
33 05 16 13-0192	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	226.63	18.93
33 05 16 13-0193	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	214.66	42.05
33 05 16 13-0194	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	238.93	42.05
33 05 16 13-0195	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	136.73	18.93
33 05 16 13-0196	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	226.58	42.05
33 05 16 13-0197	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	256.83	42.05
33 05 16 13-0198	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	234.44	42.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.02	63.08
33 05 16 13-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	347.36	63.08
33 05 16 13-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	361.11	63.08
33 05 16 13-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	393.85	63.08
33 05 16 13-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	423.97	63.08
33 05 16 13-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	452.40	63.08
33 05 16 13-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	503.31	63.08
33 05 16 13-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	510.41	63.08
33 05 16 13-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	632.01	84.10
33 05 16 13-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	670.28	115.63
33 05 16 13-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	818.44	115.63
33 05 16 13-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	964.97	115.63
33 05 16 13-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,062.30	115.63
33 05 16 13-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,159.63	115.63
33 05 16 13-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,260.55	180.77
33 05 16 13-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	985.98	180.77
33 05 16 13-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,093.22	180.77
33 05 16 13-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,283.31	180.77
33 05 16 13-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,367.16	180.77
33 05 16 13-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,393.42	180.77
33 05 16 13-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,648.13	180.77
33 05 16 13-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,539.55	193.68
33 05 16 13-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,589.37	193.68
33 05 16 13-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,730.69	193.68
33 05 16 13-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,837.65	193.68
33 05 16 13-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,694.68	193.68
33 05 16 13-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,077.20	193.68
33 05 16 13-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,813.77	193.68
33 05 16 13-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,985.41	193.68
33 05 16 13-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,393.14	206.59
33 05 16 13-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,823.30	206.59
33 05 16 13-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,777.90	206.59
33 05 16 13-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures		
33 05 16 13-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	358.16	63.08
33 05 16 13-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	413.50	63.08
33 05 16 13-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	146.33	18.93
33 05 16 13-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	217.89	18.93
33 05 16 13-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	272.55	18.93
33 05 16 13-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	281.00	18.93
33 05 16 13-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	277.09	42.05
33 05 16 13-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	301.22	42.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	205.97	18.93
33 05 16 13-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	288.74	42.05
33 05 16 13-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	318.98	42.05
33 05 16 13-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	279.72	42.05
33 05 16 13-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	375.96	63.08
33 05 16 13-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	417.30	63.08
33 05 16 13-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	444.08	63.08
33 05 16 13-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	476.82	63.08
33 05 16 13-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	506.93	63.08
33 05 16 13-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	535.38	63.08
33 05 16 13-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	586.30	63.08
33 05 16 13-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	593.37	63.08
33 05 16 13-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	746.46	84.10
33 05 16 13-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	800.56	115.63
33 05 16 13-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	948.59	115.63
33 05 16 13-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,094.96	115.63
33 05 16 13-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,192.36	115.63
33 05 16 13-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,289.76	115.63
33 05 16 13-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,136.93	180.77
33 05 16 13-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,244.32	180.77
33 05 16 13-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,434.27	180.77
33 05 16 13-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0105)		
33 05 16 13-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	304.23	63.08
33 05 16 13-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	205.21	42.05
33 05 16 13-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	228.53	42.05
33 05 16 13-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	273.97	63.08
33 05 16 13-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	212.85	42.05
33 05 16 13-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	235.18	42.05
33 05 16 13-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 16 13-0069)		
33 05 16 13-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	230.56	63.08
33 05 16 13-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	254.86	63.08
33 05 16 13-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	298.20	84.10
33 05 16 13-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	322.06	84.10
33 05 16 13-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	389.34	115.63
33 05 16 13-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	663.11	180.77
33 05 16 13-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	637.03	180.77
33 05 16 13-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	642.72	180.77
33 05 16 13-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	845.85	193.68
33 05 16 13-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,300.09	206.59
33 05 16 13-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,678.99	206.59
33 05 16 13-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	358.06	63.08
33 05 16 13-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	372.91	63.08
33 05 16 13-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	406.97	84.10
33 05 16 13-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	431.08	84.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	508.63	115.63
33 05 16 13-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	805.61	180.77
33 05 16 13-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	285.49	63.08
33 05 16 13-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	314.77	63.08
33 05 16 13-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	431.35	115.63
33 05 16 13-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	817.92	193.68
33 05 16 13-0290 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0069)		
33 05 16 13-0291 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	75.31	8.42
33 05 16 13-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.25	8.42
33 05 16 13-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	70.90	8.42
33 05 16 13-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.43	8.42
33 05 16 13-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	77.15	8.41
33 05 16 13-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	88.04	8.41
33 05 16 13-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	101.52	8.41
33 05 16 13-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	652.18	23.24
33 05 16 13-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	571.81	23.24
33 05 16 13-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	851.74	23.24
33 05 16 13-0302 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	861.28	23.24
33 05 16 13-0303 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	974.54	23.24
33 05 16 13-0304 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,061.06	23.24
33 05 16 13-0305 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,699.82	23.24
33 05 16 13-0306 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	64.96	8.41
33 05 16 13-0307 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	91.71	8.41
33 05 16 13-0308 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	92.95	8.41
33 05 16 13-0309 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	116.13	8.41
33 05 16 13-0310 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	88.39	8.41
33 05 16 13-0311 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	136.80	8.41
33 05 16 13-0312 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	108.09	8.41
33 05 16 13-0313 EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	218.50	8.41
33 05 16 13-0314 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	193.42	12.61
33 05 16 13-0315 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	241.21	12.61
33 05 16 13-0316 EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	310.31	14.72
33 05 16 13-0317 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	433.45	18.07
33 05 16 13-0318 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	451.08	34.44
33 05 16 13-0319 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	117.52	8.41
33 05 16 13-0320 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	166.22	8.41
33 05 16 13-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	188.70	8.41
33 05 16 13-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	311.68	8.41
33 05 16 13-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	259.12	12.61
33 05 16 13-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	435.44	14.72
33 05 16 13-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	568.99	18.07
33 05 16 13-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	767.40	23.24
33 05 16 13-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	683.19	23.24
33 05 16 13-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	950.96	23.24
33 05 16 13-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,235.73	23.24
33 05 16 13-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,183.78	23.24
33 05 16 13-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,792.56	23.24
33 05 16 13-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,764.22	23.24
33 05 16 13-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	153.60	8.41
33 05 16 13-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	167.67	8.41
33 05 16 13-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	219.78	8.41
33 05 16 13-0336 EA 17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	250.02	8.41
33 05 16 13-0337 EA 27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	429.85	8.41
33 05 16 13-0338 EA 24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	314.80	12.61
33 05 16 13-0339 EA 24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	428.66	12.61
33 05 16 13-0340 EA 39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	662.80	14.72
33 05 16 13-0341 EA 36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	757.68	18.07
33 05 16 13-0342 EA 30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	788.92	34.44
33 05 16 13-0343 EA 30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	912.37	23.24
33 05 16 13-0344 EA 36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,270.37	23.24
33 05 16 13-0345 EA 48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,773.93	23.24
33 05 16 13-0346 EA 36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,583.89	23.24
33 05 16 13-0347 EA 48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,619.27	23.24
33 05 16 13-0348 EA 48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,038.27	23.24
33 05 16 13-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 16 13-0290)		
33 05 16 13-0350 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	86.02	8.42
33 05 16 13-0351 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	90.73	8.42
33 05 16 13-0352 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	92.27	8.41
33 05 16 13-0353 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	92.85	8.41
33 05 16 13-0354 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	106.66	8.41

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0355 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	69.30	8.41
33 05 16 13-0356 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	96.16	8.41
33 05 16 13-0357 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	97.02	8.41
33 05 16 13-0358 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	120.72	8.41
33 05 16 13-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	93.38	8.41
33 05 16 13-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	113.36	8.41
33 05 16 13-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	141.66	8.41
33 05 16 13-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	196.68	12.61
33 05 16 13-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	246.22	12.61
33 05 16 13-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	456.22	34.44
33 05 16 13-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	58.26	8.42
33 05 16 13-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	89.26	8.42
33 05 16 13-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	98.93	8.42
33 05 16 13-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	94.63	8.42
33 05 16 13-0369 EA 10" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	78.54	8.41
33 05 16 13-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	121.96	8.41
33 05 16 13-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	131.99	8.41
33 05 16 13-0372 EA 13" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	170.94	8.41
33 05 16 13-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	193.83	8.41
33 05 16 13-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	263.71	12.61
33 05 16 13-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	328.06	12.61
33 05 16 13-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	598.43	34.44
33 05 16 13-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 16 13-0290)		
33 05 16 13-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	47.59	8.42
33 05 16 13-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	55.93	8.42
33 05 16 13-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	67.16	8.42
33 05 16 13-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	72.15	8.42
33 05 16 13-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	72.02	8.41
33 05 16 13-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	84.81	8.41
33 05 16 13-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	97.38	8.41
33 05 16 13-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	233.02	12.61
33 05 16 13-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	432.37	34.44
33 05 16 13-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	645.15	23.24
33 05 16 13-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	563.88	23.24
33 05 16 13-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	838.69	23.24
33 05 16 13-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	809.63	23.24
33 05 16 13-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	966.97	23.24
33 05 16 13-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,033.07	23.24
33 05 16 13-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,646.03	23.24
33 05 16 13-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	62.58	8.41
33 05 16 13-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	61.20	8.41
33 05 16 13-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	88.71	8.41
33 05 16 13-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	97.13	8.41
33 05 16 13-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	109.48	8.41
33 05 16 13-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	84.08	8.41
33 05 16 13-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	93.38	8.41
33 05 16 13-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	130.97	8.41
33 05 16 13-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	189.65	12.61
33 05 16 13-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	235.62	12.61
33 05 16 13-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	232.89	12.61
33 05 16 13-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	416.38	18.07
33 05 16 13-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	432.37	20.66
33 05 16 13-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	671.34	23.24
33 05 16 13-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	967.94	23.24
33 05 16 13-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	563.73	34.44
33 05 16 13-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	744.80	34.44
33 05 16 13-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	795.88	23.24
33 05 16 13-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,081.34	23.24
33 05 16 13-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	263.79	12.61
33 05 16 13-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	486.87	18.07
33 05 16 13-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	509.78	34.44
33 05 16 13-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	45.27	8.42
33 05 16 13-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	72.60	8.42
33 05 16 13-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	79.51	8.42
33 05 16 13-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	84.08	8.42
33 05 16 13-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	74.23	8.41
33 05 16 13-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	127.92	8.41
33 05 16 13-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	351.58	12.61
33 05 16 13-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	645.18	18.07
33 05 16 13-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	676.83	34.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0427				Precast Concrete Handholes With Steel Cover <small>(33 05 16 13-0068)</small> Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 16 13-0428	EA			12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	581.72	173.72
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	18.00	
33 05 16 13-0429	EA			12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	968.06	260.59
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	86.44	
33 05 16 13-0430	EA			18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,183.27	347.44
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	146.29	
33 05 16 13-0431	EA			24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,224.96	347.44
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	181.91	
33 05 16 13-0432	EA			24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,448.09	434.31
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	216.52	
33 05 16 13-0433	EA			30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,517.56	434.31
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	244.88	
33 05 16 13-0434	EA			36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,759.41	521.18
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	283.85	
33 05 16 13-0435	EA			48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,023.12	608.03
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	416.23	
33 05 16 13-0436	EA			48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,964.96	521.18
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	473.17	
33 05 16 13-0437	EA			54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,982.64	521.18
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	302.97	
33 05 16 13-0438	EA			6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	468.58	173.72
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	15.00	
33 05 16 13-0439	EA			9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	549.25	195.44
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	15.00	
33 05 16 13-0440	EA			12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	667.14	217.15
				<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>	15.00	

33 05 23 Trenchless Utility Installation (33 05)

33 05 23 13 Utility Horizontal Directional Drilling (33 05 23)

33 05 23 13-0001 Horizontal Augering (33 05 23 13)

<i>Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.</i>						
33 05 23 13-0002	LF			Up To 2" Diameter Horizontal Hand Augering	20.72	
33 05 23 13-0003	LF			3" Diameter Horizontal Hand Augering	25.01	
33 05 23 13-0004	LF			4" Diameter Horizontal Hand Augering	34.29	
33 05 23 13-0005	LF			6" Diameter Horizontal Hand Augering	44.30	
33 05 23 13-0006	LF			8" Diameter Horizontal Augering	72.37	
33 05 23 13-0007	LF			10" Diameter Horizontal Augering	105.58	
33 05 23 13-0008	LF			12" Diameter Horizontal Augering	126.87	
33 05 23 13-0009	LF			16" Diameter Horizontal Augering	151.55	
33 05 23 13-0010	LF			20" Diameter Horizontal Augering	262.25	
33 05 23 13-0011	LF			24" Diameter Horizontal Augering	323.14	
33 05 23 13-0012	LF			30" Diameter Horizontal Augering	398.56	
33 05 23 13-0013	LF			36" Diameter Horizontal Augering	455.37	
33 05 23 13-0014	LF			42" Diameter Horizontal Augering	571.46	
33 05 23 13-0015	LF			48" Diameter Horizontal Augering	615.76	
33 05 23 13-0016	LF			54" Diameter Horizontal Augering	669.66	
33 05 23 13-0017	LF			60" Diameter Horizontal Augering	702.06	
33 05 23 13-0018	EA			8" To 36" Horizontal Augering Minimum Set-up Charge	1,489.95	
<i>Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.</i>						
33 05 23 13-0019	EA			>36" Horizontal Augering Minimum Set-up Charge	2,592.77	
<i>Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.</i>						

33 05 23 13-0020 Horizontal Directional Boring (33 05 23 13)

<i>Note: Excludes receiving pits or dewatering or cost of casing pipe.</i>						
33 05 23 13-0021	LF			Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.04	
33 05 23 13-0022	LF			2" Diameter Directional Boring For Horizontal Pipe, Underground	15.08	
33 05 23 13-0023	LF			2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	20.94	
33 05 23 13-0024	LF			3" Diameter Directional Boring For Horizontal Pipe, Underground	25.96	
33 05 23 13-0025	LF			4" Diameter Directional Boring For Horizontal Pipe, Underground	30.98	
33 05 23 13-0026	LF			5" Diameter Directional Boring For Horizontal Pipe, Underground	36.00	
33 05 23 13-0027	LF			6" Diameter Directional Boring For Horizontal Pipe, Underground	41.87	

33 Utilities**33 05 Common Work Results For Utilities****33 05 23 Trenchless Utility Installation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 23 13-0028	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground.....	51.08
33 05 23 13-0029	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground.....	55.35
33 05 23 13-0030	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground.....	59.60
33 05 23 13-0031	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground.....	68.11
33 05 23 13-0032	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground.....	83.81
33 05 23 13-0033	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground.....	93.12
33 05 23 13-0034	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground.....	102.44
33 05 23 13-0035	EA	Boring Minimum Charge	2,234.92

Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

33 05 23 13-0036**Casing Pipe** (33 05 23 13)

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 23 13-0037**Steel Pipe** (33 05 23 13-0036)

33 05 23 13-0038	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine	8.49
		Note: Includes pipe welding.	
33 05 23 13-0039	LF	2" Steel Pipe Pull In Place By Boring Machine.....	9.03
		Note: Includes pipe welding.	
33 05 23 13-0040	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine	9.70
		Note: Includes pipe welding.	
33 05 23 13-0041	LF	3" Steel Pipe Pull In Place By Boring Machine.....	10.39
		Note: Includes pipe welding.	
33 05 23 13-0042	LF	4" Steel Pipe Pull In Place By Boring Machine.....	12.94
		Note: Includes pipe welding.	
33 05 23 13-0043	LF	5" Steel Pipe Pull In Place By Boring Machine.....	14.51
		Note: Includes pipe welding.	
33 05 23 13-0044	LF	6" Steel Pipe Pull In Place By Boring Machine.....	16.10
		Note: Includes pipe welding.	

33 05 23 13-0045**Polyethylene Pipe** (33 05 23 13-0036)

33 05 23 13-0046	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine	3.39
		Note: Includes pipe welding.	
33 05 23 13-0047	LF	1" Polyethylene Pipe Pull In Place By Boring Machine	3.73
		Note: Includes pipe welding.	
33 05 23 13-0048	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine	4.05
		Note: Includes pipe welding.	
33 05 23 13-0049	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine	4.34
		Note: Includes pipe welding.	
33 05 23 13-0050	LF	2" Polyethylene Pipe Pull In Place By Boring Machine	4.64
		Note: Includes pipe welding.	
33 05 23 13-0051	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine	4.94
		Note: Includes pipe welding.	
33 05 23 13-0052	LF	3" Polyethylene Pipe Pull In Place By Boring Machine	5.24
		Note: Includes pipe welding.	
33 05 23 13-0053	LF	4" Polyethylene Pipe Pull In Place By Boring Machine	6.26
		Note: Includes pipe welding.	
33 05 23 13-0054	LF	5" Polyethylene Pipe Pull In Place By Boring Machine	6.87
		Note: Includes pipe welding.	
33 05 23 13-0055	LF	6" Polyethylene Pipe Pull In Place By Boring Machine	7.49
		Note: Includes pipe welding.	
33 05 23 13-0056	LF	8" Polyethylene Pipe Pull In Place By Boring Machine	9.58
		Note: Includes pipe welding.	
33 05 23 13-0057	LF	10" Polyethylene Pipe Pull In Place By Boring Machine	12.78
		Note: Includes pipe welding.	

33 05 23 16 Utility Pipe Jacking (33 05 23)**33 05 23 16-0001****Horizontal Jacking** (33 05 23 16)

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 23 16-0002	LF	Up To 2" Diameter Horizontal Jacking	39.06
33 05 23 16-0003	LF	3" Diameter Horizontal Jacking	46.94
33 05 23 16-0004	LF	4" Diameter Horizontal Jacking.....	63.79
33 05 23 16-0005	LF	6" Diameter Horizontal Jacking.....	82.42
33 05 23 16-0006	LF	8" Diameter Horizontal Jacking	112.19
33 05 23 16-0007	LF	10" Diameter Horizontal Jacking	164.16
33 05 23 16-0008	LF	12" Diameter Horizontal Jacking	197.49
33 05 23 16-0009	LF	16" Diameter Horizontal Jacking	235.85
33 05 23 16-0010	LF	20" Diameter Horizontal Jacking	383.68
33 05 23 16-0011	LF	24" Diameter Horizontal Jacking	550.22
33 05 23 16-0012	LF	30" Diameter Horizontal Jacking	652.23
33 05 23 16-0013	LF	36" Diameter Horizontal Jacking	739.64
33 05 23 16-0014	LF	42" Diameter Horizontal Jacking	795.94
33 05 23 16-0015	LF	48" Diameter Horizontal Jacking	861.26
33 05 23 16-0016	LF	54" Diameter Horizontal Jacking	926.09
33 05 23 16-0017	EA	Up To 36" Horizontal Jacking Minimum Set-up Charge	1,728.51

Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 23 16-0018	EA		>36" Horizontal Jacking Minimum Set-up Charge.....	3,240.96	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.					

33 05 26 Utility Identification (33 05)

33 05 26 16 Utility Identification Markers (33 05 26)

33 05 26 16-0001 Reflective Sheeting Delineators (33 05 26 16)

33 05 26 16-0002	EA		Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	36.45	
33 05 26 16-0003	EA		Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	38.48	
33 05 26 16-0004	EA		Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	42.55	
33 05 26 16-0005	EA		Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	44.58	
33 05 26 16-0006	EA		Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square.....	46.62	
33 05 26 16-0007	EA		Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square.....	41.02	
33 05 26 16-0008	EA		Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	36.95	
33 05 26 16-0009	EA		Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	38.99	
33 05 26 16-0010	EA		Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	38.99	
33 05 26 16-0011	EA		Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	41.02	
33 05 26 16-0012	EA		Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	43.06	
33 05 26 16-0013	EA		Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	45.09	
33 05 26 16-0014	EA		Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	63.40	
33 05 26 16-0015	EA		Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	44.58	
33 05 26 16-0016	EA		Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	65.94	
33 05 26 16-0017	EA		Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	63.40	
33 05 26 16-0018	EA		Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	65.43	
33 05 26 16-0019	EA		Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	65.94	
33 05 26 16-0020	EA		Relocate Delineator.....	48.03	

33 05 26 16-0021 Reference Markers (33 05 26 16)

33 05 26 16-0022	EA		Reference Marker, 4' Mounting Height.....	46.43	
33 05 26 16-0023	EA		Reference Marker, 7' Mounting Height.....	52.43	
33 05 26 16-0024	EA		Reference Marker, Band Or Bracket Mounted.....	50.68	
33 05 26 16-0025	EA		Reference Marker, Furnish Panel Only.....	25.75	
33 05 26 16-0026	EA		Relocate Reference Marker.....	48.03	

33 05 26 16-0027 Object Markers (33 05 26 16)

33 05 26 16-0028	EA		Object Marker, Type L-1.....	58.90	
33 05 26 16-0029	EA		Object Marker, Type L-2.....	55.14	
33 05 26 16-0030	EA		Object Marker, Type K-1.....	61.91	
33 05 26 16-0031	EA		Object Marker, Type K-2.....	58.15	
33 05 26 16-0032	EA		Object Marker, Type Q.....	43.11	

33 10 Water Utilities (33)

33 11 Water Utility Distribution Piping (33 10)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 11 13 Public Water Utility Distribution Piping (33 11)

33 11 13 13 Ductile Iron Public Water Utility Distribution Piping (33 11 13)

33 11 13 13-0001 Ductile Iron Piping (33 11 13 13)

33 11 13 13-0002 Mechanical Joint Ductile Iron Piping (33 11 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4.

33 11 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 11 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

33 11 13 13-0004	LF		4" Mechanical Joint Ductile Iron Pipe.....	34.45	10.16
			<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	<i>13.34</i>	
			<i>For Cement Mortar Lining (CML), Add</i>	<i>1.91</i>	
			<i>Note: ANSI/AWWA C104/A21.4</i>		
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>1.43</i>	
			<i>Note: ANSI/AWWA C151/A21.51</i>		
			<i>For >1,000, Deduct</i>	<i>-1.72</i>	
			<i>For Class 51, Add</i>	<i>1.84</i>	
			<i>For Class 52, Add</i>	<i>4.10</i>	
			<i>For Class 53, Add</i>	<i>10.79</i>	
			<i>For Class 54, Add</i>	<i>15.38</i>	
			<i>For Class 55, Add</i>	<i>17.71</i>	
			<i>For Class 56, Add</i>	<i>20.00</i>	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0005	LF	6" Mechanical Joint Ductile Iron Pipe.....	35.98	10.66
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.90	
			For Cement Mortar Lining (CML), Add	1.99	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.80	
			For Class 51, Add	1.92	
			For Class 52, Add	4.28	
			For Class 53, Add	11.25	
			For Class 54, Add	16.03	
			For Class 55, Add	18.45	
			For Class 56, Add	20.84	
33 11 13	13-0006	LF	8" Mechanical Joint Ductile Iron Pipe.....	42.19	11.08
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.78	
			For Cement Mortar Lining (CML), Add	2.54	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.91	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.11	
			For Class 51, Add	2.40	
			For Class 52, Add	5.38	
			For Class 53, Add	14.24	
			For Class 54, Add	20.31	
			For Class 55, Add	23.36	
			For Class 56, Add	26.37	
33 11 13	13-0007	LF	10" Mechanical Joint Ductile Iron Pipe.....	57.06	15.86
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.82	
			For Cement Mortar Lining (CML), Add	3.30	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.85	
			For Class 51, Add	3.15	
			For Class 52, Add	7.05	
			For Class 53, Add	18.61	
			For Class 54, Add	26.52	
			For Class 55, Add	30.53	
			For Class 56, Add	34.46	
33 11 13	13-0008	LF	12" Mechanical Joint Ductile Iron Pipe.....	68.90	17.62
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.10	
			For Cement Mortar Lining (CML), Add	4.22	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.17	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.45	
			For Class 51, Add	3.98	
			For Class 52, Add	8.90	
			For Class 53, Add	23.62	
			For Class 54, Add	33.68	
			For Class 55, Add	38.74	
			For Class 56, Add	43.72	
33 11 13	13-0009	LF	14" Mechanical Joint Ductile Iron Pipe.....	82.37	19.78
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.03	
			For Cement Mortar Lining (CML), Add	5.23	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.92	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.12	
			For Class 51, Add	4.89	
			For Class 52, Add	10.96	
			For Class 53, Add	29.17	
			For Class 54, Add	41.61	
			For Class 55, Add	47.85	
			For Class 56, Add	53.98	
33 11 13	13-0010	LF	16" Mechanical Joint Ductile Iron Pipe.....	93.00	22.67
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.05	
			For Cement Mortar Lining (CML), Add	5.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.65	
			For Class 51, Add	5.49	
			For Class 52, Add	12.30	
			For Class 53, Add	32.73	
			For Class 54, Add	46.68	
			For Class 55, Add	53.69	
			For Class 56, Add	60.57	



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	115.29	26.43
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.85	
For Cement Mortar Lining (CML), Add	7.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.64	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.76	
For Class 51, Add	6.99	
For Class 52, Add	15.68	
For Class 53, Add	41.82	
For Class 54, Add	59.67	
For Class 55, Add	68.60	
For Class 56, Add	77.38	
33 11 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	130.92	31.71
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.49	
For Cement Mortar Lining (CML), Add	8.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.21	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.55	
For Class 51, Add	7.75	
For Class 52, Add	17.37	
For Class 53, Add	46.21	
For Class 54, Add	65.91	
For Class 55, Add	75.80	
For Class 56, Add	85.51	
33 11 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	171.28	39.64
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.48	
For Cement Mortar Lining (CML), Add	11.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.56	
For Class 51, Add	10.35	
For Class 52, Add	23.20	
For Class 53, Add	61.85	
For Class 54, Add	88.23	
For Class 55, Add	101.45	
For Class 56, Add	114.44	
33 11 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	220.89	42.68
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.61	
For Cement Mortar Lining (CML), Add	15.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.04	
For Class 51, Add	14.33	
For Class 52, Add	32.20	
For Class 53, Add	86.44	
For Class 54, Add	123.39	
For Class 55, Add	141.77	
For Class 56, Add	159.82	
33 11 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	264.16	45.33
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.79	
For Cement Mortar Lining (CML), Add	19.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.71	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.21	
For Class 51, Add	17.77	
For Class 52, Add	39.96	
For Class 53, Add	107.64	
For Class 54, Add	153.69	
For Class 55, Add	176.52	
For Class 56, Add	198.94	
33 11 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	324.69	47.98
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.31	
For Cement Mortar Lining (CML), Add	25.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.23	
For Class 51, Add	22.70	
For Class 52, Add	51.09	
For Class 53, Add	138.08	
For Class 54, Add	197.20	
For Class 55, Add	226.42	
For Class 56, Add	255.11	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0017 LF 48" Mechanical Joint Ductile Iron Pipe.....	398.06	50.70
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.81	
For Cement Mortar Lining (CML), Add	32.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.90	
For Class 51, Add	28.74	
For Class 52, Add	64.72	
For Class 53, Add	175.40	
For Class 54, Add	250.56	
For Class 55, Add	287.61	
For Class 56, Add	323.97	
33 11 13 13-0018 Mechanical Joint Ductile Iron 90 Degree Elbow (33 11 13 13-0002)		
33 11 13 13-0019 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow.....	117.48	36.02
For Cement Mortar Lining (CML), Add	6.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.72	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0020 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow.....	183.46	53.23
For Cement Mortar Lining (CML), Add	10.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.71	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0021 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow.....	245.31	63.14
For Cement Mortar Lining (CML), Add	14.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0022 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow.....	344.53	70.32
For Cement Mortar Lining (CML), Add	23.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.85	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0023 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow.....	445.39	82.49
For Cement Mortar Lining (CML), Add	32.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.03	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0024 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow.....	676.50	92.50
For Cement Mortar Lining (CML), Add	53.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.23	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0025 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow.....	888.63	105.72
For Cement Mortar Lining (CML), Add	72.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.63	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0026 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,101.42	148.01
For Cement Mortar Lining (CML), Add	87.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.79	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0027 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,503.45	185.01
For Cement Mortar Lining (CML), Add	122.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0028 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,199.13	246.36
For Cement Mortar Lining (CML), Add	182.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	136.94	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0029 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow.....	3,330.41	264.30
For Cement Mortar Lining (CML), Add	293.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	219.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0030 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow.....	4,996.35	274.40
For Cement Mortar Lining (CML), Add	458.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	343.55	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0031 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow.....	8,335.40	317.16
For Cement Mortar Lining (CML), Add	785.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	589.11	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0032 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow.....	10,984.92	337.43
For Cement Mortar Lining (CML), Add	1,047.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	785.53	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0033 Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0034 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow	106.43	36.02
For Cement Mortar Lining (CML), Add	5.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.89	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0035 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow	163.91	53.23
For Cement Mortar Lining (CML), Add	8.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.25	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0036 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow	217.26	63.14
For Cement Mortar Lining (CML), Add	12.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0037 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow	284.18	70.32
For Cement Mortar Lining (CML), Add	17.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.32	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0038 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow	390.14	82.49
For Cement Mortar Lining (CML), Add	26.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.89	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0039 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow	557.50	92.50
For Cement Mortar Lining (CML), Add	41.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.30	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0040 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow	680.38	105.72
For Cement Mortar Lining (CML), Add	52.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.02	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0041 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow	970.52	148.01
For Cement Mortar Lining (CML), Add	74.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0042 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow	1,077.60	185.01
For Cement Mortar Lining (CML), Add	79.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.80	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0043 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow	1,584.58	246.36
For Cement Mortar Lining (CML), Add	121.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.84	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0044 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow	2,861.21	264.30
For Cement Mortar Lining (CML), Add	246.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	184.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0045 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow	4,013.75	274.40
For Cement Mortar Lining (CML), Add	359.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	269.85	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0046 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow	6,008.95	317.16
For Cement Mortar Lining (CML), Add	552.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	414.63	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0047 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow	7,755.77	337.43
For Cement Mortar Lining (CML), Add	724.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	543.34	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0048 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0049 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	103.88	36.02
For Cement Mortar Lining (CML), Add	4.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0050 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	157.11	53.23
For Cement Mortar Lining (CML), Add	7.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.74	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0051 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	214.71	63.14
For Cement Mortar Lining (CML), Add	11.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0052 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	283.33	70.32
For Cement Mortar Lining (CML), Add	17.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.26	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0053 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	356.99	82.49
For Cement Mortar Lining (CML), Add	23.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.40	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0054 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	562.60	92.50
For Cement Mortar Lining (CML), Add	42.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.68	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0055 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	659.13	105.72
For Cement Mortar Lining (CML), Add	49.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0056 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	837.07	148.01
For Cement Mortar Lining (CML), Add	61.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.96	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0057 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,113.30	185.01
For Cement Mortar Lining (CML), Add	83.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0058 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,491.08	246.36
For Cement Mortar Lining (CML), Add	111.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.83	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0059 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,462.56	264.30
For Cement Mortar Lining (CML), Add	206.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.66	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0060 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,438.30	274.40
For Cement Mortar Lining (CML), Add	302.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	226.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0061 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,044.20	317.16
For Cement Mortar Lining (CML), Add	456.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	342.27	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0062 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,453.57	337.43
For Cement Mortar Lining (CML), Add	594.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	445.68	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0063 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 11 13 13-0002)		
33 11 13 13-0064 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	101.33	36.02
For Cement Mortar Lining (CML), Add	4.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0065 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	159.66	53.23
For Cement Mortar Lining (CML), Add	7.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0066 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	203.66	63.14
For Cement Mortar Lining (CML), Add	10.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.10	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0067 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	281.63	70.32
For Cement Mortar Lining (CML), Add	17.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.13	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0068 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	342.54 21.76 16.32	82.49
33 11 13 13-0069 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	622.10 48.20 36.15	92.50
33 11 13 13-0070 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	688.03 52.79 39.59	105.72
33 11 13 13-0071 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	998.57 77.44 58.08	148.01
33 11 13 13-0072 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,064.85 78.46 58.84	185.01
33 11 13 13-0073 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,419.68 104.64 78.48	246.36
33 11 13 13-0074 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,499.96 209.95 157.46	264.30
33 11 13 13-0075 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,285.30 286.96 215.22	274.40
33 11 13 13-0076 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,835.95 435.54 326.66	317.16
33 11 13 13-0077 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,412.77 590.16 442.62	337.43
33 11 13 13-0078 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 11 13 13-0002)</small>		
33 11 13 13-0079 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	129.38 7.48 5.61	36.02
33 11 13 13-0080 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	204.71 12.41 9.31	53.23
33 11 13 13-0081 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	273.36 17.77 13.32	63.14
33 11 13 13-0082 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	385.33 27.88 20.91	70.32
33 11 13 13-0083 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	489.59 36.47 27.35	82.49
33 11 13 13-0084 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	818.45 67.83 50.87	92.50

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0085 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,234.58 107.44 80.58	105.72
33 11 13 13-0086 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,444.82 122.06 91.55	148.01
33 11 13 13-0087 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,955.65 167.54 125.65	185.01
33 11 13 13-0088 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,386.13 201.28 150.96	246.36
33 11 13 13-0089 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,364.01 396.36 297.27	264.30
33 11 13 13-0090 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,719.75 730.41 547.80	274.40
33 11 13 13-0091 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0092)</small>		
33 11 13 13-0092 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	108.98 5.44 4.08	36.02
33 11 13 13-0093 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	173.26 9.27 6.95	53.23
33 11 13 13-0094 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	244.46 14.88 11.16	63.14
33 11 13 13-0095 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	327.53 22.10 16.58	70.32
33 11 13 13-0096 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	439.44 31.45 23.59	82.49
33 11 13 13-0097 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	729.20 58.91 44.18	92.50
33 11 13 13-0098 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,094.33 93.42 70.06	105.72
33 11 13 13-0099 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,302.87 107.87 80.90	148.01
33 11 13 13-0100 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,688.75 140.85 105.63	185.01
33 11 13 13-0101 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,128.58 175.53 131.64	246.36



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0102	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	3,848.06 344.76	264.30
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	258.57	
33 11 13	13-0103	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	6,770.30 635.46	274.40
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	476.60	
33 11 13 13-0104 Mechanical Joint Ductile Iron Tee (33 11 13 13-0002)					
33 11 13	13-0105	EA	4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	163.06 8.25	53.23
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6.18	
33 11 13	13-0106	EA	6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	244.33 13.86	69.82
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10.39	
33 11 13	13-0107	EA	6" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	267.13 14.88	78.17
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11.16	
33 11 13	13-0108	EA	8" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	283.25 16.07	80.91
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12.05	
33 11 13	13-0109	EA	8" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	320.49 18.53	89.22
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13.90	
33 11 13	13-0110	EA	8" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	367.14 22.36	94.79
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16.77	
33 11 13	13-0111	EA	10" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	378.92 24.65	87.39
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18.49	
33 11 13	13-0112	EA	10" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	383.28 23.89	95.32
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17.91	
33 11 13	13-0113	EA	10" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	432.10 27.97	100.61
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20.97	
33 11 13	13-0114	EA	10" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	479.78 31.96	105.72
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23.97	
33 11 13	13-0115	EA	12" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	450.18 30.18	97.97
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22.63	
33 11 13	13-0116	EA	12" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	508.94 34.85	105.89
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	26.14	
33 11 13	13-0117	EA	12" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	616.40 44.80	111.19
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	33.60	
33 11 13	13-0118	EA	12" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	659.00 48.28	116.29
			<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	36.21	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0119 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	630.45 44.63 33.47	121.58
33 11 13 13-0120 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	669.75 48.28 36.21	123.39
33 11 13 13-0121 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	741.52 54.66 40.99	128.69
33 11 13 13-0122 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	932.85 73.02 54.76	133.79
33 11 13 13-0123 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	995.26 78.46 58.84	139.07
33 11 13 13-0124 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	966.87 74.29 55.72	147.85
33 11 13 13-0125 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	847.23 62.31 46.73	148.00
33 11 13 13-0126 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	908.86 67.66 50.75	153.29
33 11 13 13-0127 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,049.20 80.92 60.69	158.40
33 11 13 13-0128 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,143.91 89.59 67.19	163.68
33 11 13 13-0129 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,365.42 110.42 82.81	172.43
33 11 13 13-0130 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,300.76 102.09 76.56	184.77
33 11 13 13-0131 EA 18" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,169.29 88.23 66.17	189.41
33 11 13 13-0132 EA 18" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,250.41 95.54 71.66	194.71
33 11 13 13-0133 EA 18" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,348.24 104.55 78.41	199.81
33 11 13 13-0134 EA 18" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,445.51 113.48 85.11	205.10
33 11 13 13-0135 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,488.51 116.45 87.34	213.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33	11	13	13-0136	EA 18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,587.91 124.53 93.39	226.16
33	11	13	13-0137	EA 18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,851.33 147.73 110.80	246.84
33	11	13	13-0138	EA 20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,404.35 99.28 74.46	271.62
33	11	13	13-0139	EA 20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,434.47 101.49 76.12	276.91
33	11	13	13-0140	EA 20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,553.55 112.63 84.47	282.02
33	11	13	13-0141	EA 20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,672.06 123.68 92.76	287.31
33	11	13	13-0142	EA 20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,694.67 124.61 93.46	296.05
33	11	13	13-0143	EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,723.51 125.63 94.22	308.36
33	11	13	13-0144	EA 20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,139.08 164.05 123.04	329.06
33	11	13	13-0145	EA 20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,922.56 136.17 102.13	370.18
33	11	13	13-0146	EA 24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,729.97 119.43 89.57	353.58
33	11	13	13-0147	EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,753.29 120.96 90.72	359.37
33	11	13	13-0148	EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,917.42 136.60 102.45	363.98
33	11	13	13-0149	EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,963.68 140.42 105.32	369.26
33	11	13	13-0150	EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,192.83 162.01 121.51	378.00
33	11	13	13-0151	EA 24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,360.24 176.89 132.66	390.31
33	11	13	13-0152	EA 24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,667.00 204.43 153.32	411.02

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0153 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,954.54 226.95 170.21	452.13
33 11 13 13-0154 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,768.42 202.13 151.60	493.13
33 11 13 13-0155 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,912.53 228.06 171.04	417.11
33 11 13 13-0156 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,060.51 242.08 181.56	422.21
33 11 13 13-0157 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,208.78 256.11 192.08	427.49
33 11 13 13-0158 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,420.93 276.00 207.00	436.25
33 11 13 13-0159 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,652.08 297.25 222.93	580.42
33 11 13 13-0160 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,754.85 304.39 228.29	469.26
33 11 13 13-0161 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,916.58 314.33 235.75	510.37
33 11 13 13-0162 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,122.31 328.70 246.52	551.34
33 11 13 13-0163 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,116.73 423.73 317.79	580.42
33 11 13 13-0164 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,033.71 240.98 180.73	411.81
33 11 13 13-0165 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,538.37 283.73 212.80	462.70
33 11 13 13-0166 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,915.01 320.62 240.47	467.81
33 11 13 13-0167 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,120.22 340.34 255.26	473.10
33 11 13 13-0168 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,270.33 354.03 265.52	481.85
33 11 13 13-0169 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,424.12 367.54 275.66	494.15



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0170	EA			36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,717.29 393.72 295.29	514.86
33 11 13 13-0171	EA			36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,042.22 419.99 314.99	555.96
33 11 13 13-0172	EA			36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,570.11 466.57 349.92	596.94
33 11 13 13-0173	EA			36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,142.08 519.35 389.51	648.90
33 11 13 13-0174	EA			36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,132.87 614.98 461.23	648.90
33 11 13 13-0175	EA			42" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,909.04 715.36 536.52	498.58
33 11 13 13-0176	EA			42" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,066.79 729.81 547.36	507.34
33 11 13 13-0177	EA			42" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,944.78 815.75 611.81	519.64
33 11 13 13-0178	EA			42" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,389.66 757.10 567.82	540.35
33 11 13 13-0179	EA			42" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,451.94 757.10 567.82	581.46
33 11 13 13-0180	EA			42" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,652.57 770.95 578.21	622.43
33 11 13 13-0181	EA			42" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,444.30 945.71 709.28	651.55
33 11 13 13-0182	EA			42" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,875.79 985.41 739.05	674.35
33 11 13 13-0183	EA			42" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,492.65 1,045.16 783.87	687.11
33 11 13 13-0184	EA			48" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,295.73 847.88 635.91	539.21
33 11 13 13-0185	EA			48" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,461.99 863.18 647.38	547.95
33 11 13 13-0186	EA			48" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,697.38 884.85 663.64	560.26

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0187 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,944.65 906.44 679.83	580.97
33 11 13 13-0188 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,223.68 928.12 696.09	622.07
33 11 13 13-0189 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,314.67 931.01 698.25	663.04
33 11 13 13-0190 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,499.94 1,145.12 858.84	692.16
33 11 13 13-0191 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,217.48 1,313.42 985.07	714.97
33 11 13 13-0192 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,903.20 1,380.06 1,035.05	727.71
33 11 13 13-0193 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,155.82 1,402.25 1,051.68	748.05
33 11 13 13-0194 Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 11 13 13-0002)</small>		
33 11 13 13-0195 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	215.75 13.52 10.14	53.20
33 11 13 13-0196 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	245.18 13.94 10.46	69.82
33 11 13 13-0197 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	322.38 20.40 15.30	78.12
33 11 13 13-0198 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	403.95 28.14 21.10	80.91
33 11 13 13-0199 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	370.64 23.55 17.66	89.22
33 11 13 13-0200 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	441.09 29.75 22.31	94.77
33 11 13 13-0201 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	605.87 47.35 35.51	87.39
33 11 13 13-0202 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	642.53 49.81 37.36	95.32
33 11 13 13-0203 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	733.85 58.14 43.61	100.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0204 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	822.33	105.72
For Cement Mortar Lining (CML), Add	66.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.66	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0205 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	766.38	97.97
For Cement Mortar Lining (CML), Add	61.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.35	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0206 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	864.24	105.89
For Cement Mortar Lining (CML), Add	70.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.79	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0207 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,032.90	111.19
For Cement Mortar Lining (CML), Add	86.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.83	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0208 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,063.60	116.29
For Cement Mortar Lining (CML), Add	88.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0209 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	972.15	121.57
For Cement Mortar Lining (CML), Add	78.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.10	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0210 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,135.55	123.39
For Cement Mortar Lining (CML), Add	94.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.15	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0211 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,293.17	128.69
For Cement Mortar Lining (CML), Add	109.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0212 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,670.65	133.79
For Cement Mortar Lining (CML), Add	146.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.10	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0213 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,787.46	139.07
For Cement Mortar Lining (CML), Add	157.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.26	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0214 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	1,753.12	147.82
For Cement Mortar Lining (CML), Add	152.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0215 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,177.95	148.00
For Cement Mortar Lining (CML), Add	95.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.53	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0216 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,291.36	153.29
For Cement Mortar Lining (CML), Add	105.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.43	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0217 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,510.75	158.40
For Cement Mortar Lining (CML), Add	127.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.31	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0218 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,682.81	163.68
For Cement Mortar Lining (CML), Add	143.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.61	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0219 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,088.77	172.43
For Cement Mortar Lining (CML), Add	182.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.06	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0220 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	2,024.11	184.74
For Cement Mortar Lining (CML), Add	174.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	130.82	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0221 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,831.44 154.45 115.83	189.41
33 11 13 13-0222 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,966.96 167.20 125.40	194.71
33 11 13 13-0223 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,097.94 179.52 134.64	199.81
33 11 13 13-0224 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,240.26 192.95 144.71	205.10
33 11 13 13-0225 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,268.81 194.48 145.86	213.85
33 11 13 13-0226 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,297.66 195.50 146.63	226.16
33 11 13 13-0227 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,123.33 174.93 131.20	246.85
33 11 13 13-0228 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,198.25 178.67 134.00	271.62
33 11 13 13-0229 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,246.22 182.67 137.00	276.91
33 11 13 13-0230 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,454.55 202.73 152.04	282.02
33 11 13 13-0231 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,661.46 222.62 166.96	287.31
33 11 13 13-0232 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,691.72 224.32 168.24	296.05
33 11 13 13-0233 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,728.21 226.10 169.58	308.36
33 11 13 13-0234 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,145.48 264.69 198.52	329.06
33 11 13 13-0235 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,012.26 245.14 183.86	370.17
33 11 13 13-0236 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,685.37 214.97 161.22	353.58
33 11 13 13-0237 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,720.59 217.69 163.26	358.87



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0238	EA			24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,009.67 245.82 184.37	363.98
33 11 13 13-0239	EA			24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,143.48 258.40 193.80	369.26
33 11 13 13-0240	EA			24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,602.13 302.94 227.21	378.00
33 11 13 13-0241	EA			24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,985.44 339.41 254.55	390.31
33 11 13 13-0242	EA			24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,445.20 382.25 286.68	411.02
33 11 13 13-0243	EA			24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,884.04 419.90 314.93	452.13
33 11 13 13-0244	EA			24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,385.12 363.80 272.85	493.10
33 11 13 13-0245	EA			30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,366.11 474.22 355.66	411.81
33 11 13 13-0246	EA			30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,991.23 535.93 401.94	417.11
33 11 13 13-0247	EA			30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,328.76 568.91 426.68	422.21
33 11 13 13-0248	EA			30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,666.58 601.89 451.41	427.49
33 11 13 13-0249	EA			30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,146.48 648.55 486.41	436.25
33 11 13 13-0250	EA			30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,664.93 698.53 523.90	448.55
33 11 13 13-0251	EA			30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,863.75 715.28 536.46	469.26
33 11 13 13-0252	EA			30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,159.78 738.65 553.99	510.37
33 11 13 13-0253	EA			30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,559.31 772.40 579.30	551.34
33 11 13 13-0254	EA			30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,267.28 838.78 629.09	580.46

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0255 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,076.17 935.94 701.95	473.10
33 11 13 13-0256 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,465.98 973.59 730.19	481.85
33 11 13 13-0257 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,856.07 1,010.74 758.05	494.15
33 11 13 13-0258 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,607.39 1,082.73 812.05	514.86
33 11 13 13-0259 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,392.17 1,154.98 866.24	555.96
33 11 13 13-0260 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,735.21 1,283.08 962.31	596.94
33 11 13 13-0261 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,362.88 1,441.43 1,081.07	626.06
33 11 13 13-0262 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,279.77 1,729.67 1,297.25	648.86
33 11 13 13-0263 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,090.89 1,520.99 1,140.74	581.46
33 11 13 13-0264 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,507.42 1,556.44 1,167.33	622.43
33 11 13 13-0265 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,625.95 1,663.88 1,247.91	651.55
33 11 13 13-0266 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,116.99 1,909.53 1,432.14	674.35
33 11 13 13-0267 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,667.21 2,262.62 1,696.96	687.10
33 11 13 13-0268 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,900.83 1,495.83 1,121.87	622.07
33 11 13 13-0269 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,985.92 1,698.13 1,273.60	663.04
33 11 13 13-0270 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,161.39 1,811.27 1,358.45	692.16
33 11 13 13-0271 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,801.18 2,071.79 1,553.84	714.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0272 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,391.00 2,728.84 2,046.63	727.71
33 11 13 13-0273 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,141.76 3,000.84 2,250.63	748.02
33 11 13 13-0274 Mechanical Joint Ductile Iron Cross (33 11 13 13-0002)		
33 11 13 13-0275 EA 4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	278.41 17.77 13.32	66.50
33 11 13 13-0276 EA 6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	328.14 19.38 14.54	88.66
33 11 13 13-0277 EA 6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	385.53 21.76 16.32	110.83
33 11 13 13-0278 EA 8" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	339.90 19.30 14.47	96.99
33 11 13 13-0279 EA 8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	405.78 22.53 16.89	119.16
33 11 13 13-0280 EA 8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	430.28 23.72 17.79	127.46
33 11 13 13-0281 EA 10" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	406.47 25.16 18.87	102.22
33 11 13 13-0282 EA 10" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	469.11 28.22 21.17	123.36
33 11 13 13-0283 EA 10" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	549.13 35.02 26.27	131.29
33 11 13 13-0284 EA 10" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	593.57 38.00 28.50	140.96
33 11 13 13-0285 EA 12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	486.09 31.79 23.84	111.01
33 11 13 13-0286 EA 12" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	566.58 36.64 27.48	132.16
33 11 13 13-0287 EA 12" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	790.25 57.80 43.35	140.09
33 11 13 13-0288 EA 12" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	804.94 57.80 43.35	149.79

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0289 EA 12" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	907.53 66.73 50.04	158.58
33 11 13 13-0290 EA 14" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	920.65 70.04 52.53	145.36
33 11 13 13-0291 EA 14" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,073.76 84.15 63.11	153.29
33 11 13 13-0292 EA 14" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,105.46 85.85 64.39	162.99
33 11 13 13-0293 EA 14" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,166.39 90.61 67.96	171.79
33 11 13 13-0294 EA 14" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,287.55 100.73 75.54	185.01
33 11 13 13-0295 EA 16" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,051.51 80.33 60.24	163.85
33 11 13 13-0296 EA 16" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,188.49 92.82 69.62	171.79
33 11 13 13-0297 EA 16" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,409.37 113.44 85.08	181.48
33 11 13 13-0298 EA 16" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,564.15 127.59 95.69	190.29
33 11 13 13-0299 EA 16" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,874.87 156.66 117.49	203.49
33 11 13 13-0300 EA 16" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,185.93 184.96 138.72	222.01
33 11 13 13-0301 EA 18" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,696.90 140.34 105.25	193.75
33 11 13 13-0302 EA 18" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,792.23 148.67 111.50	201.69
33 11 13 13-0303 EA 18" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,876.62 155.64 116.73	211.38
33 11 13 13-0304 EA 18" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,029.35 169.58 127.18	220.18
33 11 13 13-0305 EA 18" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,354.51 200.09 150.07	233.39



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0306	EA		18" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,508.32 212.67 159.50	251.87
33 11 13	13-0307	EA		18" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,636.92 221.00 165.75	281.76
33 11 13	13-0308	EA		20" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,132.93 176.46 132.35	243.09
33 11 13	13-0309	EA		20" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,229.10 184.88 138.66	251.03
33 11 13	13-0310	EA		20" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,299.04 190.40 142.80	260.73
33 11 13	13-0311	EA		20" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,450.93 204.26 153.19	269.52
33 11 13	13-0312	EA		20" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,498.99 207.06 155.30	282.74
33 11 13	13-0313	EA		20" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,999.60 254.32 190.74	301.22
33 11 13	13-0314	EA		20" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,128.20 262.65 196.99	331.12
33 11 13	13-0315	EA		20" x 20" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,397.62 282.12 211.59	380.43
33 11 13	13-0316	EA		24" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,892.61 243.19 182.39	304.10
33 11 13	13-0317	EA		24" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,960.97 248.80 186.60	312.04
33 11 13	13-0318	EA		24" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,072.32 258.49 193.86	321.73
33 11 13	13-0319	EA		24" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,168.95 266.82 200.11	330.53
33 11 13	13-0320	EA		24" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,230.61 270.98 203.24	343.74
33 11 13	13-0321	EA		24" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,356.38 280.76 210.57	362.23
33 11 13	13-0322	EA		24" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,388.53 379.44 284.58	392.12

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0323 EA 24" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,643.50 397.46 298.10	441.47
33 11 13 13-0324 EA 24" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,125.22 436.39 327.29	502.49
33 11 13 13-0325 EA 30" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,433.00 482.04 361.53	404.34
33 11 13 13-0326 EA 30" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,542.03 491.47 368.60	414.04
33 11 13 13-0327 EA 30" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,648.86 500.82 375.62	422.83
33 11 13 13-0328 EA 30" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,776.82 511.62 383.71	436.05
33 11 13 13-0329 EA 30" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,925.53 523.69 392.76	454.53
33 11 13 13-0330 EA 30" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,105.14 537.12 402.84	484.43
33 11 13 13-0331 EA 30" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,340.56 553.18 414.89	533.79
33 11 13 13-0332 EA 30" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,099.84 719.87 539.90	594.78
33 11 13 13-0333 EA 30" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,315.80 827.48 620.61	687.11
33 11 13 13-0334 EA 36" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,512.65 684.85 513.63	438.37
33 11 13 13-0335 EA 36" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,620.83 694.20 520.65	448.07
33 11 13 13-0336 EA 36" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,714.07 702.19 526.64	456.86
33 11 13 13-0337 EA 36" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,827.58 711.54 533.65	470.08
33 11 13 13-0338 EA 36" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,962.69 722.25 541.68	488.56
33 11 13 13-0339 EA 36" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,127.84 734.23 550.67	518.46



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0340 EA 36" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,349.67 748.94 561.70	567.81
33 11 13 13-0341 EA 36" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,722.59 776.99 582.74	628.81
33 11 13 13-0342 EA 36" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,679.35 1,058.68 794.01	721.12
33 11 13 13-0343 EA 36" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,812.11 1,166.80 875.10	755.18
33 11 13 13-0344 EA 42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,021.88 929.99 697.49	476.53
33 11 13 13-0345 EA 42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,304.77 1,056.27 792.21	489.76
33 11 13 13-0346 EA 42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,261.15 949.11 711.83	508.23
33 11 13 13-0347 EA 42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,409.31 959.40 719.55	538.13
33 11 13 13-0348 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,624.33 973.42 730.07	587.49
33 11 13 13-0349 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,972.60 999.01 749.25	648.48
33 11 13 13-0350 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,999.07 1,287.67 965.75	740.80
33 11 13 13-0351 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,177.37 1,700.34 1,275.26	774.82
33 11 13 13-0352 EA 42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,458.38 1,825.46 1,369.10	794.51
33 11 13 13-0353 EA 48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,500.29 1,265.99 949.49	554.65
33 11 13 13-0354 EA 48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,596.80 1,273.64 955.23	567.86
33 11 13 13-0355 EA 48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,726.81 1,283.84 962.88	586.35
33 11 13 13-0356 EA 48" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,874.11 1,294.04 970.53	616.25

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0357 EA 48" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,077.24 1,306.88 980.16	665.60
33 11 13 13-0358 EA 48" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,411.91 1,331.10 998.33	726.60
33 11 13 13-0359 EA 48" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,280.22 1,403.95 1,052.96	818.91
33 11 13 13-0360 EA 48" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,639.98 1,734.77 1,301.07	852.94
33 11 13 13-0361 EA 48" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,843.74 2,252.16 1,689.12	872.61
33 11 13 13-0362 EA 48" x 48" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,405.39 2,396.49 1,797.37	950.69
33 11 13 13-0363 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 11 13 13-0002)		
33 11 13 13-0364 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	125.83 5.95 4.46	43.78
33 11 13 13-0365 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	156.41 8.16 6.12	49.32
33 11 13 13-0366 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	174.02 8.67 6.50	57.63
33 11 13 13-0367 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	185.27 10.63 7.97	52.16
33 11 13 13-0368 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	203.24 11.22 8.42	60.09
33 11 13 13-0369 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	222.30 12.33 9.24	65.37
33 11 13 13-0370 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	221.33 13.43 10.07	57.44
33 11 13 13-0371 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	246.94 14.79 11.09	65.37
33 11 13 13-0372 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	259.21 15.22 11.41	70.66
33 11 13 13-0373 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	283.10 16.83 12.62	75.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13	13-0374	EA		14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	440.40 32.81 24.61	74.11
33 11 13	13-0375	EA		14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	431.41 31.11 23.33	79.41
33 11 13	13-0376	EA		14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	393.25 26.52 19.89	84.52
33 11 13	13-0377	EA		14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	414.01 27.80 20.85	89.80
33 11 13	13-0378	EA		16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	516.84 38.59 28.94	86.42
33 11 13	13-0379	EA		16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	510.41 37.15 27.86	91.71
33 11 13	13-0380	EA		16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	504.54 35.79 26.84	96.82
33 11 13	13-0381	EA		16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	545.70 39.10 29.33	102.11
33 11 13	13-0382	EA		16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	605.71 43.78 32.83	110.86
33 11 13	13-0383	EA		18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	647.18 47.69 35.76	112.42
33 11 13	13-0384	EA		18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	721.22 54.32 40.74	117.53
33 11 13	13-0385	EA		18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	700.32 51.43 38.57	122.81
33 11 13	13-0386	EA		18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	743.33 54.40 40.80	131.55
33 11 13	13-0387	EA		18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	785.77 56.78 42.59	143.87
33 11 13	13-0388	EA		20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	910.91 67.83 50.87	153.53
33 11 13	13-0389	EA		20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	879.54 63.92 47.94	158.63
33 11 13	13-0390	EA		20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	820.40 57.21 42.90	163.91

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0391 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	829.41	172.66
For Cement Mortar Lining (CML), Add	56.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0392 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	859.96	184.97
For Cement Mortar Lining (CML), Add	57.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0393 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,023.07	205.68
For Cement Mortar Lining (CML), Add	71.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0394 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,186.79	204.89
For Cement Mortar Lining (CML), Add	87.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.73	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0395 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,222.15	213.64
For Cement Mortar Lining (CML), Add	89.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0396 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,252.69	225.95
For Cement Mortar Lining (CML), Add	91.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.28	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0397 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,244.11	246.65
For Cement Mortar Lining (CML), Add	87.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.28	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0398 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,513.79	287.76
For Cement Mortar Lining (CML), Add	107.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.84	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0399 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,362.72	255.07
For Cement Mortar Lining (CML), Add	197.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0400 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,472.28	275.78
For Cement Mortar Lining (CML), Add	205.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.08	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0401 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,420.67	316.87
For Cement Mortar Lining (CML), Add	194.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	145.54	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0402 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,390.10	357.85
For Cement Mortar Lining (CML), Add	184.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0403 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,521.11	339.67
For Cement Mortar Lining (CML), Add	300.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	225.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0404 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,963.54	380.65
For Cement Mortar Lining (CML), Add	238.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	179.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0405 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,216.77	409.77
For Cement Mortar Lining (CML), Add	259.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	194.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0406 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,499.92	290.61
For Cement Mortar Lining (CML), Add	405.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	304.47	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0407 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,493.90	311.32
For Cement Mortar Lining (CML), Add	402.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	301.67	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0408	EA			42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,542.57 400.86 300.65	352.42
33 11 13 13-0409	EA			42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,069.60 447.36 335.52	393.40
33 11 13 13-0410	EA			42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,231.43 359.13 269.34	422.51
33 11 13 13-0411	EA			42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,430.88 375.62 281.71	445.32
33 11 13 13-0412	EA			48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,021.59 555.05 416.29	310.92
33 11 13 13-0413	EA			48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,854.06 535.16 401.37	331.63
33 11 13 13-0414	EA			48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,610.34 504.56 378.42	372.73
33 11 13 13-0415	EA			48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,800.77 517.40 388.05	413.71
33 11 13 13-0416	EA			48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,904.85 623.39 467.54	442.83
33 11 13 13-0417	EA			48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,088.55 538.31 403.73	465.62
33 11 13 13-0418	EA			48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,667.16 594.24 445.68	478.37
33 11 13 13-0419				Mechanical Joint Ductile Iron Caps <small>(33 11 13 13-0002)</small>		
33 11 13 13-0420	EA			4" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	146.09 2.30 1.72	81.27
33 11 13 13-0421	EA			6" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	194.73 4.08 3.06	101.59
33 11 13 13-0422	EA			8" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	243.92 6.80 5.10	116.12
33 11 13 13-0423	EA			10" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	352.82 8.59 6.44	176.20
33 11 13 13-0424	EA			12" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	419.59 12.84 9.63	192.22

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0425 EA 14" Mechanical Joint Ductile Iron Caps.....	515.01	211.44
For Cement Mortar Lining (CML), Add	19.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.60	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0426 EA 16" Mechanical Joint Ductile Iron Caps.....	616.91	234.91
For Cement Mortar Lining (CML), Add	26.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.57	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0427 EA 18" Mechanical Joint Ductile Iron Caps.....	719.21	264.30
For Cement Mortar Lining (CML), Add	31.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.91	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0428 EA 20" Mechanical Joint Ductile Iron Caps.....	869.91	302.03
For Cement Mortar Lining (CML), Add	41.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.92	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0429 EA 24" Mechanical Joint Ductile Iron Caps.....	1,100.04	352.40
For Cement Mortar Lining (CML), Add	56.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.46	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0430 EA 30" Mechanical Joint Ductile Iron Caps.....	1,935.28	422.88
For Cement Mortar Lining (CML), Add	129.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0431 EA 36" Mechanical Joint Ductile Iron Caps.....	3,155.41	528.60
For Cement Mortar Lining (CML), Add	235.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.59	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0432 EA 42" Mechanical Joint Ductile Iron Caps.....	4,531.95	634.33
For Cement Mortar Lining (CML), Add	357.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.81	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0433 EA 48" Mechanical Joint Ductile Iron Caps.....	5,370.59	704.81
For Cement Mortar Lining (CML), Add	430.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	322.70	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0434 Mechanical Joint Ductile Iron Plug (33 11 13 13-0002)		
33 11 13 13-0435 EA 4" Mechanical Joint Ductile Iron Plug.....	151.19	81.27
For Cement Mortar Lining (CML), Add	2.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.10	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0436 EA 6" Mechanical Joint Ductile Iron Plug.....	208.33	101.59
For Cement Mortar Lining (CML), Add	5.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.08	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0437 EA 8" Mechanical Joint Ductile Iron Plug.....	257.52	116.12
For Cement Mortar Lining (CML), Add	8.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0438 EA 10" Mechanical Joint Ductile Iron Plug.....	408.07	176.20
For Cement Mortar Lining (CML), Add	14.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.58	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0439 EA 12" Mechanical Joint Ductile Iron Plug.....	434.89	192.22
For Cement Mortar Lining (CML), Add	14.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.77	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0440 EA 14" Mechanical Joint Ductile Iron Plug.....	612.76	211.44
For Cement Mortar Lining (CML), Add	29.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0441 EA 16" Mechanical Joint Ductile Iron Plug.....	393.36	234.91
For Cement Mortar Lining (CML), Add	3.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.81	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0442 EA 18" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	864.56 46.41 34.81	264.30
33 11 13 13-0443 EA 20" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,067.96 61.03 45.77	302.03
33 11 13 13-0444 EA 24" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,380.54 84.66 63.50	352.40
33 11 13 13-0445 EA 30" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,321.18 168.05 126.03	422.88
33 11 13 13-0446 EA 36" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,396.81 259.59 194.69	528.60
33 11 13 13-0447 EA 42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,562.55 360.15 270.11	634.33
33 11 13 13-0448 EA 48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,868.68 480.08 360.06	704.81
33 11 13 13-0449 Mechanical Joint Ductile Iron Long Sleeves <small>(33 11 13 13-0002)</small>		
33 11 13 13-0450 EA 4" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	239.97 5.53 4.14	121.91
33 11 13 13-0451 EA 6" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	323.55 9.27 6.95	152.39
33 11 13 13-0452 EA 8" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	416.04 15.22 11.41	174.14
33 11 13 13-0453 EA 10" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	581.51 18.11 13.58	264.30
33 11 13 13-0454 EA 12" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	681.67 24.48 18.36	288.33
33 11 13 13-0455 EA 14" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	850.30 36.98 27.73	317.16
33 11 13 13-0456 EA 16" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,002.29 46.84 35.13	352.40
33 11 13 13-0457 EA 18" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,199.94 59.93 44.94	396.46
33 11 13 13-0458 EA 20" Mechanical Joint Ductile Iron Long Sleeves <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,409.85 72.34 54.25	453.08

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0459 EA 24" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A2.1.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A2.1.51	1,753.76 95.29 71.46	528.60
33 11 13 13-0460 EA 30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A2.1.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A2.1.51	2,956.90 199.58 149.69	634.33
33 11 13 13-0461 EA 36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A2.1.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A2.1.51	4,003.82 280.25 210.18	792.90
33 11 13 13-0462 EA 42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A2.1.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A2.1.51	5,119.93 374.85 281.14	905.11
33 11 13 13-0463 EA 48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A2.1.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A2.1.51	6,867.58 526.58 394.93	1,057.20
33 11 13 13-0464 Mechanical Joint Ductile Iron Gland Packs (33 11 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 11 13 13-0465 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 11 13 13-0464) Note: Labor installation is included with pipe fittings or valves.		
33 11 13 13-0466 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	21.97	
33 11 13 13-0467 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	26.55	
33 11 13 13-0468 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	31.12	
33 11 13 13-0469 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	43.03	
33 11 13 13-0470 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	45.77	
33 11 13 13-0471 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	75.07	
33 11 13 13-0472 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	79.64	
33 11 13 13-0473 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	106.19	
33 11 13 13-0474 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	137.32	
33 11 13 13-0475 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	191.33	
33 11 13 13-0476 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	456.80	
33 11 13 13-0477 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	985.01	
33 11 13 13-0478 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,438.16	
33 11 13 13-0479 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	1,764.97	
33 11 13 13-0480 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 11 13 13-0464) Note: Labor installation is included with pipe fittings or valves.		
33 11 13 13-0481 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	31.12	
33 11 13 13-0482 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.36	
33 11 13 13-0483 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	43.03	
33 11 13 13-0484 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	59.50	
33 11 13 13-0485 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	62.25	
33 11 13 13-0486 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	94.29	
33 11 13 13-0487 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	103.44	
33 11 13 13-0488 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	137.32	
33 11 13 13-0489 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	177.60	
33 11 13 13-0490 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	248.08	



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0491 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ^(33 11 13 13-0491)		
Note: Labor installation is included with pipe fittings or valves.		
33 11 13 13-0492 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	23.80	
Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0493 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	28.38	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0494 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	33.87	
Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0495 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	46.69	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0496 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	49.43	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0497 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	81.47	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0498 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	86.05	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0499 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	116.26	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0500 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	149.22	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0501 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	208.72	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 11 13 13-0502 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	499.83	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 11 13 13-0503 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,107.68	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 11 13 13-0504 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,603.85	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 11 13 13-0505 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	1,973.69	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 11 13 13-0506 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters ^(33 11 13 13-0506)		
33 11 13 13-0507 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	244.22	121.91
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0508 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	313.35	152.39
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0509 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	388.84	174.14
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0510 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	618.06	264.30
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0511 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	715.67	288.33
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0512 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	923.40	317.16
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0513 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,039.69	352.40
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0514 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,374.19	396.46
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0515 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,607.90	453.08
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 11 13 13-0516 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,935.66	528.60
<i>For Cement Mortar Lining (CML), Add</i>		
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>		
<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0517 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A2.1.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A2.1.51</i>	3,049.55 208.85 156.63	634.33
33 11 13 13-0518 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A2.1.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A2.1.51</i>	4,194.22 299.29 224.46	792.90
33 11 13 13-0519 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A2.1.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A2.1.51</i>	5,545.64 417.27 312.95	906.15
33 11 13 13-0520 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A2.1.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A2.1.51</i>	6,827.63 522.58 391.94	1,057.20
33 11 13 13-0521 Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100) <small>(33 11 13 13-0002)</small> <i>Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.</i>		
33 11 13 13-0522 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	156.69	62.55
33 11 13 13-0523 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	194.35	77.42
33 11 13 13-0524 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	241.44	90.34
33 11 13 13-0525 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	349.72	132.16
33 11 13 13-0526 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	429.24	151.05
33 11 13 13-0527 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	497.67	162.59
33 11 13 13-0528 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	609.39	176.20
33 11 13 13-0529 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	779.58	211.44
33 11 13 13-0530 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	917.78	234.83
33 11 13 13-0531 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	1,186.36	270.95
33 11 13 13-0532 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	2,270.62	324.94
33 11 13 13-0533 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	2,804.85	406.62
33 11 13 13-0534 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	4,118.35	469.18
33 11 13 13-0535 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	5,274.43	603.41
33 11 13 13-0536 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 11 13 13-0001)</small> <i>Note: .</i>		
33 11 13 13-0537 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 11 13 13-0536)</small>		
33 11 13 13-0538 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	271.33	36.10
33 11 13 13-0539 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	419.75	52.90
33 11 13 13-0540 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	569.16	62.97
33 11 13 13-0541 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	772.92	70.48
33 11 13 13-0542 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	976.64	82.49
33 11 13 13-0543 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,376.05	92.91
33 11 13 13-0544 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,666.38	105.72
33 11 13 13-0545 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,023.67	148.17
33 11 13 13-0546 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,522.60	185.01
33 11 13 13-0547 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	3,559.13	246.68
33 11 13 13-0548 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	5,633.91	264.30
33 11 13 13-0549 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	8,240.80	274.71
33 11 13 13-0550 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	13,510.20	317.16
33 11 13 13-0551 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	17,634.47	337.19
33 11 13 13-0552 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0536)</small>		
33 11 13 13-0553 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	255.18	36.10
33 11 13 13-0554 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	391.70	52.90
33 11 13 13-0555 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	525.81	62.97
33 11 13 13-0556 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	681.12	70.48
33 11 13 13-0557 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	894.19	82.49
33 11 13 13-0558 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,199.25	92.91
33 11 13 13-0559 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,433.48	105.72
33 11 13 13-0560 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,706.62	148.17
33 11 13 13-0561 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,074.65	185.01
33 11 13 13-0562 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,735.48	246.68
33 11 13 13-0563 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	4,939.46	264.30
33 11 13 13-0564 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	6,784.75	274.71
33 11 13 13-0565 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	10,037.10	317.16
33 11 13 13-0566 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	12,814.97	337.19



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0567 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 11 13 13-0536)</small>		
33 11 13 13-0568 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	252.63	36.10
33 11 13 13-0569 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	381.50	52.90
33 11 13 13-0570 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	522.41	62.97
33 11 13 13-0571 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	680.27	70.48
33 11 13 13-0572 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	844.89	82.49
33 11 13 13-0573 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,206.05	92.91
33 11 13 13-0574 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,402.88	105.72
33 11 13 13-0575 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,698.97	148.17
33 11 13 13-0576 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,145.20	185.01
33 11 13 13-0577 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,679.38	246.68
33 11 13 13-0578 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,409.91	264.30
33 11 13 13-0579 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,977.25	274.71
33 11 13 13-0580 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,516.45	317.16
33 11 13 13-0581 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,871.02	337.19
33 11 13 13-0582 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 11 13 13-0536)</small>		
33 11 13 13-0583 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	299.38	36.10
33 11 13 13-0584 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	384.90	52.90
33 11 13 13-0585 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	507.11	62.97
33 11 13 13-0586 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	678.57	70.48
33 11 13 13-0587 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	821.94	82.49
33 11 13 13-0588 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,295.30	92.91
33 11 13 13-0589 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,444.53	105.72
33 11 13 13-0590 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,940.37	148.17
33 11 13 13-0591 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,072.10	185.01
33 11 13 13-0592 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,680.23	246.68
33 11 13 13-0593 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,466.01	264.30
33 11 13 13-0594 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,816.60	274.71
33 11 13 13-0595 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	8,286.95	317.16
33 11 13 13-0596 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,809.82	337.19
33 11 13 13-0597 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 11 13 13-0536)</small>		
33 11 13 13-0598 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	290.88	36.10
33 11 13 13-0599 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	452.05	52.90
33 11 13 13-0600 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	609.96	62.97
33 11 13 13-0601 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	832.42	70.48
33 11 13 13-0602 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,042.09	82.49
33 11 13 13-0603 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,846.10	92.91
33 11 13 13-0604 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,862.33	105.72
33 11 13 13-0605 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,284.22	148.17
33 11 13 13-0606 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,792.50	185.01
33 11 13 13-0607 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,123.53	246.68
33 11 13 13-0608 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 11 13 13-0536)</small>		
33 11 13 13-0609 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	258.58	36.10
33 11 13 13-0610 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	405.31	52.90
33 11 13 13-0611 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	567.46	62.97
33 11 13 13-0612 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	746.58	70.48
33 11 13 13-0613 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	967.29	82.49
33 11 13 13-0614 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,280.85	92.91
33 11 13 13-0615 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,536.33	105.72
33 11 13 13-0616 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,850.72	148.17
33 11 13 13-0617 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,005.40	185.01

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 13-0618	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,156.23	246.68
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33 11 13 13-0619 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee

33 11 13 13-0620	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	327.11	52.90
33 11 13 13-0621	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	499.33	69.69
33 11 13 13-0622	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	528.92	78.09
33 11 13 13-0623	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	610.50	80.60
33 11 13 13-0624	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	661.34	89.00
33 11 13 13-0625	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	725.84	94.88
33 11 13 13-0626	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	809.87	87.29
33 11 13 13-0627	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	812.53	95.31
33 11 13 13-0628	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	879.20	100.91
33 11 13 13-0629	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	947.28	105.72
33 11 13 13-0630	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	971.23	97.71
33 11 13 13-0631	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	983.24	105.72
33 11 13 13-0632	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,061.80	111.33
33 11 13 13-0633	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,218.30	116.13
33 11 13 13-0634	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,223.75	121.74
33 11 13 13-0635	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,379.50	123.34
33 11 13 13-0636	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,490.37	128.95
33 11 13 13-0637	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,798.15	133.75
33 11 13 13-0638	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,897.11	139.35
33 11 13 13-0639	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,766.72	148.17
33 11 13 13-0640	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,650.48	148.17
33 11 13 13-0641	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,738.46	152.97
33 11 13 13-0642	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,073.45	158.58
33 11 13 13-0643	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,952.26	163.39
33 11 13 13-0644	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,527.37	172.19
33 11 13 13-0645	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,300.36	185.01
33 11 13 13-0646	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,164.64	189.82
33 11 13 13-0647	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,280.61	194.62
33 11 13 13-0648	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,426.89	199.43
33 11 13 13-0649	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,562.41	205.03
33 11 13 13-0650	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,634.31	213.85
33 11 13 13-0651	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,813.61	225.86
33 11 13 13-0652	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,138.23	246.68
33 11 13 13-0653	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,514.45	271.51
33 11 13 13-0654	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,557.32	277.12
33 11 13 13-0655	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,799.65	281.92
33 11 13 13-0656	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,933.46	287.52
33 11 13 13-0657	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,965.42	296.34
33 11 13 13-0658	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,935.61	308.35
33 11 13 13-0659	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,721.78	329.18
33 11 13 13-0660	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,216.26	370.03
33 11 13 13-0661	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,063.62	353.20
33 11 13 13-0662	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,093.74	359.61
33 11 13 13-0663	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,149.07	363.62
33 11 13 13-0664	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,230.18	369.22
33 11 13 13-0665	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,653.98	378.03
33 11 13 13-0666	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,809.49	390.05
33 11 13 13-0667	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,655.15	410.87
33 11 13 13-0668	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,819.44	452.52
33 11 13 13-0669	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,554.27	493.37
33 11 13 13-0670	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,263.26	411.67
33 11 13 13-0671	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,023.08	417.27
33 11 13 13-0672	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,300.26	422.09
33 11 13 13-0673	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,578.58	427.69
33 11 13 13-0674	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,974.33	436.49
33 11 13 13-0675	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,402.68	580.66
33 11 13 13-0676	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,384.75	469.33
33 11 13 13-0677	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,396.88	510.18
33 11 13 13-0678	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,674.01	551.03
33 11 13 13-0679	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,930.23	580.66
33 11 13 13-0680	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,450.02	462.93
33 11 13 13-0681	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,074.86	467.74
33 11 13 13-0682	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,413.52	473.34
33 11 13 13-0683	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,655.43	482.15
33 11 13 13-0684	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,900.17	494.16
33 11 13 13-0685	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,370.14	514.99
33 11 13 13-0686	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,871.87	555.84
33 11 13 13-0687	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,713.41	596.69
33 11 13 13-0688	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,813.33	648.75
33 11 13 13-0689	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,279.17	648.75
33 11 13 13-0690	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,731.94	498.97
33 11 13 13-0691	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,987.44	506.97
33 11 13 13-0692	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,265.78	519.79
33 11 13 13-0693	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,236.86	540.61
33 11 13 13-0694	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,299.14	581.46



				TOTAL DIRECT	DEMOLITION
	MINOR	CSI UOM DESCRIPTION		UNIT COST	UNIT COST
33 11 13 13-0695	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		13,547.72	622.31
33 11 13 13-0696	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		13,798.40	651.94
33 11 13 13-0697	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		17,034.04	674.37
33 11 13 13-0698	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		17,944.16	687.19
33 11 13 13-0699	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		14,828.38	539.02
33 11 13 13-0700	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		15,094.09	547.82
33 11 13 13-0701	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		15,471.43	560.64
33 11 13 13-0702	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		15,858.95	580.66
33 11 13 13-0703	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		16,279.93	622.31
33 11 13 13-0704	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		16,389.62	663.15
33 11 13 13-0705	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		17,588.89	691.99
33 11 13 13-0706	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		14,217.48	715.21
33 11 13 13-0707	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		17,752.40	728.03
33 11 13 13-0708	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....		23,550.41	748.05
33 11 13 13-0709 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 11 13 13-0536)</small>					
33 11 13 13-0710	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	405.30		52.90
33 11 13 13-0711	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	501.03		69.69
33 11 13 13-0712	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	609.68		78.09
33 11 13 13-0713	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	791.55		80.60
33 11 13 13-0714	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	736.14		89.00
33 11 13 13-0715	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	825.29		94.88
33 11 13 13-0716	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,149.02		87.29
33 11 13 13-0717	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,198.43		95.31
33 11 13 13-0718	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,338.20		100.91
33 11 13 13-0719	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,458.98		105.72
33 11 13 13-0720	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,398.78		97.71
33 11 13 13-0721	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,584.19		105.72
33 11 13 13-0722	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,869.30		111.33
33 11 13 13-0723	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,872.80		116.13
33 11 13 13-0724	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,733.75		121.74
33 11 13 13-0725	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,052.70		123.34
33 11 13 13-0726	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,354.82		128.95
33 11 13 13-0727	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,089.30		133.75
33 11 13 13-0728	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,311.51		139.35
33 11 13 13-0729	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,231.27		148.17
33 11 13 13-0730	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,144.40		148.17
33 11 13 13-0731	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,364.91		152.97
33 11 13 13-0732	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,798.50		158.58
33 11 13 13-0733	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,887.26		163.39
33 11 13 13-0734	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,565.22		172.19
33 11 13 13-0735	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,379.86		185.01
33 11 13 13-0736	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,031.64		189.82
33 11 13 13-0737	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,266.61		194.62
33 11 13 13-0738	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,493.64		199.43
33 11 13 13-0739	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,739.66		205.03
33 11 13 13-0740	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,780.11		213.85
33 11 13 13-0741	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,826.81		225.86
33 11 13 13-0742	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,483.33		246.68
33 11 13 13-0743	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,587.15		271.51
33 11 13 13-0744	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,665.72		277.12
33 11 13 13-0745	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,030.45		281.92
33 11 13 13-0746	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,392.06		287.52
33 11 13 13-0747	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,435.07		296.34
33 11 13 13-0748	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,486.01		308.35
33 11 13 13-0749	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,202.48		329.18
33 11 13 13-0750	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,917.96		370.03
33 11 13 13-0751	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,356.47		353.20
33 11 13 13-0752	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,412.94		358.81
33 11 13 13-0753	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,920.47		363.62
33 11 13 13-0754	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,152.03		369.22
33 11 13 13-0755	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,956.63		378.03
33 11 13 13-0756	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,623.84		390.05
33 11 13 13-0757	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,415.95		410.87
33 11 13 13-0758	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,148.04		452.52
33 11 13 13-0759	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,213.07		493.37
33 11 13 13-0760	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,052.56		411.67
33 11 13 13-0761	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,157.08		417.27
33 11 13 13-0762	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,750.46		422.09
33 11 13 13-0763	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,344.98		427.69
33 11 13 13-0764	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,187.83		436.49
33 11 13 13-0765	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,094.73		448.52
33 11 13 13-0766	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,423.60		469.33
33 11 13 13-0767	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,901.53		510.18
33 11 13 13-0768	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,562.86		551.03
33 11 13 13-0769	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,786.78		580.66
33 11 13 13-0770	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,351.32		473.34
33 11 13 13-0771	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,033.53		482.15
33 11 13 13-0772	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,712.62		494.16

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0773 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	20,023.24	514.99
33 11 13 13-0774 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	21,369.87	555.84
33 11 13 13-0775 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	23,708.26	596.69
33 11 13 13-0776 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	26,566.73	626.31
33 11 13 13-0777 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	31,724.22	648.75
33 11 13 13-0778 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	27,913.54	581.46
33 11 13 13-0779 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	28,605.47	622.31
33 11 13 13-0780 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	30,558.70	651.94
33 11 13 13-0781 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	34,959.69	674.37
33 11 13 13-0782 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	41,254.56	687.19
33 11 13 13-0783 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	27,527.98	622.31
33 11 13 13-0784 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	31,185.57	663.15
33 11 13 13-0785 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	33,239.94	691.99
33 11 13 13-0786 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	37,905.28	715.21
33 11 13 13-0787 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	49,601.90	728.03
33 11 13 13-0788 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	54,466.61	748.05
33 11 13 13-0789 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee <small>(33 11 13 13-0536)</small>		
33 11 13 13-0790 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	560.37	78.09
33 11 13 13-0791 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	693.64	89.00
33 11 13 13-0792 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	982.53	95.31
33 11 13 13-0793 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,129.44	105.72
33 11 13 13-0794 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,487.45	123.34
33 11 13 13-0795 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,811.20	148.17
33 11 13 13-0796 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,143.39	189.82
33 11 13 13-0797 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,887.60	271.51
33 11 13 13-0798 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,377.14	353.20
33 11 13 13-0799 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,061.41	411.67
33 11 13 13-0800 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 11 13 13-0536)</small>		
33 11 13 13-0801 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	489.21	66.33
33 11 13 13-0802 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	609.49	89.00
33 11 13 13-0803 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	677.93	110.83
33 11 13 13-0804 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	648.45	97.39
33 11 13 13-0805 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	766.18	119.22
33 11 13 13-0806 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	761.78	127.62
33 11 13 13-0807 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	758.37	102.52
33 11 13 13-0808 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	853.31	123.34
33 11 13 13-0809 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,008.13	131.35
33 11 13 13-0810 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,091.67	140.96
33 11 13 13-0811 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	967.19	111.33
33 11 13 13-0812 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,120.78	132.16
33 11 13 13-0813 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,215.25	140.16
33 11 13 13-0814 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,412.69	149.77
33 11 13 13-0815 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,608.78	158.58
33 11 13 13-0816 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,656.75	144.97
33 11 13 13-0817 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,957.76	152.97
33 11 13 13-0818 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,007.31	163.39
33 11 13 13-0819 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,118.39	171.39
33 11 13 13-0820 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,345.80	185.01
33 11 13 13-0821 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,854.76	164.19
33 11 13 13-0822 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,116.69	171.39
33 11 13 13-0823 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,543.62	181.81
33 11 13 13-0824 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,840.00	190.61
33 11 13 13-0825 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,440.57	203.43
33 11 13 13-0826 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,594.38	221.86
33 11 13 13-0827 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,171.65	193.82
33 11 13 13-0828 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,354.53	201.83
33 11 13 13-0829 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,512.02	211.44
33 11 13 13-0830 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,811.80	220.25
33 11 13 13-0831 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,457.41	233.07
33 11 13 13-0832 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,742.97	251.49
33 11 13 13-0833 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,959.12	281.92
33 11 13 13-0834 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,987.63	243.47
33 11 13 13-0835 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,172.20	250.68
33 11 13 13-0836 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,299.94	261.10
33 11 13 13-0837 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,597.18	269.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0838 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,674.99	282.72
33 11 13 13-0839 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,672.00	301.14
33 11 13 13-0840 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,888.15	330.78
33 11 13 13-0841 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,362.42	380.43
33 11 13 13-0842 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,448.56	304.35
33 11 13 13-0843 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,575.57	312.36
33 11 13 13-0844 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,788.92	321.97
33 11 13 13-0845 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,973.10	330.78
33 11 13 13-0846 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,078.11	343.59
33 11 13 13-0847 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,306.73	362.01
33 11 13 13-0848 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,375.88	392.45
33 11 13 13-0849 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,820.40	441.31
33 11 13 13-0850 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,711.82	502.17
33 11 13 13-0851 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,430.95	404.46
33 11 13 13-0852 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,598.63	414.07
33 11 13 13-0853 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,763.26	422.88
33 11 13 13-0854 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,958.37	435.70
33 11 13 13-0855 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,182.73	454.92
33 11 13 13-0856 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,445.64	484.55
33 11 13 13-0857 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	9,780.51	533.40
33 11 13 13-0858 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,576.79	595.08
33 11 13 13-0859 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,461.71	687.19
33 11 13 13-0860 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,772.00	438.10
33 11 13 13-0861 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,937.98	447.71
33 11 13 13-0862 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,081.37	456.52
33 11 13 13-0863 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,252.68	470.13
33 11 13 13-0864 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,454.09	488.55
33 11 13 13-0865 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,694.04	518.19
33 11 13 13-0866 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,007.67	567.85
33 11 13 13-0867 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	13,554.84	628.72
33 11 13 13-0868 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	18,263.45	720.82
33 11 13 13-0869 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,068.56	755.26
33 11 13 13-0870 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,805.28	476.54
33 11 13 13-0871 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,135.53	489.36
33 11 13 13-0872 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,331.00	508.58
33 11 13 13-0873 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,603.26	538.22
33 11 13 13-0874 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,092.83	587.87
33 11 13 13-0875 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	18,114.30	648.75
33 11 13 13-0876 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,006.92	740.84
33 11 13 13-0877 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,752.22	774.48
33 11 13 13-0878 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,810.99	794.51
33 11 13 13-0879 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,373.84	555.03
33 11 13 13-0880 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,517.95	567.85
33 11 13 13-0881 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,710.86	586.27
33 11 13 13-0882 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,921.91	615.91
33 11 13 13-0883 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,204.94	665.56
33 11 13 13-0884 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,690.06	726.42
33 11 13 13-0885 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	24,011.42	818.53
33 11 13 13-0886 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,429.03	852.97
33 11 13 13-0887 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	37,850.04	873.00
33 11 13 13-0888 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	40,309.29	950.69

33 11 13 13-0889 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 11 13 13-0536)

33 11 13 13-0890 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	341.73	43.66
33 11 13 13-0891 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	445.41	49.54
33 11 13 13-0892 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	465.57	57.94
33 11 13 13-0893 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	542.27	52.06
33 11 13 13-0894 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	569.59	60.07
33 11 13 13-0895 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	593.75	65.68
33 11 13 13-0896 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	625.93	57.67
33 11 13 13-0897 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	693.19	65.68
33 11 13 13-0898 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	706.31	70.48
33 11 13 13-0899 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	738.70	76.08
33 11 13 13-0900 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,073.65	74.48
33 11 13 13-0901 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,081.66	79.29
33 11 13 13-0902 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	947.45	84.90

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0903 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	968.21	89.70
33 11 13 13-0904 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,286.09	86.50
33 11 13 13-0905 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,250.76	92.11
33 11 13 13-0906 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,178.59	96.91
33 11 13 13-0907 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,167.05	101.71
33 11 13 13-0908 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,318.01	110.53
33 11 13 13-0909 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,405.38	112.13
33 11 13 13-0910 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,581.42	117.74
33 11 13 13-0911 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,514.62	122.54
33 11 13 13-0912 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,804.98	131.35
33 11 13 13-0913 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,591.57	144.17
33 11 13 13-0914 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,873.11	153.77
33 11 13 13-0915 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,889.34	158.58
33 11 13 13-0916 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,723.95	164.19
33 11 13 13-0917 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,726.16	173.00
33 11 13 13-0918 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,690.41	185.01
33 11 13 13-0919 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,994.62	205.83
33 11 13 13-0920 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,364.04	205.03
33 11 13 13-0921 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,401.10	213.85
33 11 13 13-0922 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,446.94	225.86
33 11 13 13-0923 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,418.81	246.68
33 11 13 13-0924 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,791.34	287.52
33 11 13 13-0925 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,267.57	254.70
33 11 13 13-0926 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,452.78	275.51
33 11 13 13-0927 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,309.37	317.16
33 11 13 13-0928 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,686.35	358.01
33 11 13 13-0929 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,629.96	339.58
33 11 13 13-0930 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,257.69	380.43
33 11 13 13-0931 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,614.62	410.06
33 11 13 13-0932 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,249.27	290.73
33 11 13 13-0933 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,209.25	311.56
33 11 13 13-0934 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,245.17	352.40
33 11 13 13-0935 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,578.40	393.25
33 11 13 13-0936 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,048.33	422.88
33 11 13 13-0937 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,376.98	445.31
33 11 13 13-0938 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,375.29	310.76
33 11 13 13-0939 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,051.36	331.58
33 11 13 13-0940 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,567.94	372.42
33 11 13 13-0941 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,858.67	414.07
33 11 13 13-0942 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,794.05	442.90
33 11 13 13-0943 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,230.60	465.33
33 11 13 13-0944 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,239.31	478.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0945 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 11 13 13-0536)</small>		
33 11 13 13-0946 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	265.94	81.44
33 11 13 13-0947 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	381.73	101.59
33 11 13 13-0948 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	503.17	115.86
33 11 13 13-0949 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	679.22	176.20
33 11 13 13-0950 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	843.74	192.22
33 11 13 13-0951 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	956.16	211.44
33 11 13 13-0952 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,154.11	234.67
33 11 13 13-0953 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,347.36	264.30
33 11 13 13-0954 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,617.91	301.94
33 11 13 13-0955 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,059.69	352.40
33 11 13 13-0956 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	3,645.48	422.88
33 11 13 13-0957 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	5,906.01	528.60
33 11 13 13-0958 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	8,458.10	634.33
33 11 13 13-0959 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	10,049.83	704.81
33 11 13 13-0960 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 11 13 13-0536)</small>		
33 11 13 13-0961 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	274.44	81.44
33 11 13 13-0962 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	403.83	101.59
33 11 13 13-0963 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	525.27	115.86
33 11 13 13-0964 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	805.87	176.20
33 11 13 13-0965 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	872.64	192.22
33 11 13 13-0966 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,140.61	211.44
33 11 13 13-0967 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,367.46	234.67
33 11 13 13-0968 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,620.21	264.30
33 11 13 13-0969 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,986.81	301.94
33 11 13 13-0970 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,584.99	352.40
33 11 13 13-0971 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,371.38	422.88
33 11 13 13-0972 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	6,357.36	528.60
33 11 13 13-0973 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,515.05	634.33
33 11 13 13-0974 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	11,257.68	704.81
33 11 13 13-0975 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 11 13 13-0536)</small>		
33 11 13 13-0976 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	398.07	121.74
33 11 13 13-0977 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	541.15	152.81
33 11 13 13-0978 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	699.94	173.80
33 11 13 13-0979 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,036.26	264.30
33 11 13 13-0980 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,225.67	288.33
33 11 13 13-0981 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,577.05	317.16
33 11 13 13-0982 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,786.84	352.40
33 11 13 13-0983 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,315.99	396.46
33 11 13 13-0984 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,683.15	453.32
33 11 13 13-0985 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,239.56	528.60
33 11 13 13-0986 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,011.35	634.33
33 11 13 13-0987 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,786.72	792.90
33 11 13 13-0988 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	9,159.84	905.84
33 11 13 13-0989 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	11,354.73	1,057.20
33 11 13 13-0990 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 11 13 13-0536)</small>		
33 11 13 13-0991 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	385.32	121.74
33 11 13 13-0992 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	555.60	152.81
33 11 13 13-0993 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	739.04	173.80
33 11 13 13-0994 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	981.86	264.30
33 11 13 13-0995 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,174.67	288.33
33 11 13 13-0996 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,468.25	317.16
33 11 13 13-0997 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,729.04	352.40
33 11 13 13-0998 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,054.19	396.46

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0999	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,388.20	453.32
33 11 13 13-1000	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,969.26	528.60
33 11 13 13-1001	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,871.10	634.33
33 11 13 13-1002	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,318.37	792.90
33 11 13 13-1003	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	8,170.58	905.03
33 11 13 13-1004	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,013.48	1,057.20
33 11 13 13-1005			Push-On Joint Ductile Iron Piping <small>(33 11 13 13-0001)</small>		
33 11 13 13-1006			Push-On Joint Ductile Iron Pipe <small>(33 11 13 13-1005)</small>		
			Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		
33 11 13 13-1007	LF		4" Push-On Joint Ductile Iron Pipe.....	23.46	6.92
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.07	
			For Cement Mortar Lining (CML), Add	1.30	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.97	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.17	
			For Class 51, Add	1.25	
			For Class 52, Add	2.79	
			For Class 53, Add	7.34	
			For Class 54, Add	10.46	
			For Class 55, Add	12.04	
			For Class 56, Add	13.60	
33 11 13 13-1008	LF		6" Push-On Joint Ductile Iron Pipe.....	25.72	7.64
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.95	
			For Cement Mortar Lining (CML), Add	1.42	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.07	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.29	
			For Class 51, Add	1.37	
			For Class 52, Add	3.06	
			For Class 53, Add	8.05	
			For Class 54, Add	11.47	
			For Class 55, Add	13.21	
			For Class 56, Add	14.92	
33 11 13 13-1009	LF		8" Push-On Joint Ductile Iron Pipe.....	32.03	8.40
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.61	
			For Cement Mortar Lining (CML), Add	1.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.46	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.60	
			For Class 51, Add	1.84	
			For Class 52, Add	4.11	
			For Class 53, Add	10.89	
			For Class 54, Add	15.53	
			For Class 55, Add	17.86	
			For Class 56, Add	20.16	
33 11 13 13-1010	LF		10" Push-On Joint Ductile Iron Pipe.....	45.44	11.93
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.45	
			For Cement Mortar Lining (CML), Add	2.74	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.06	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.27	
			For Class 51, Add	2.59	
			For Class 52, Add	5.80	
			For Class 53, Add	15.37	
			For Class 54, Add	21.92	
			For Class 55, Add	25.21	
			For Class 56, Add	28.46	
33 11 13 13-1011	LF		12" Push-On Joint Ductile Iron Pipe.....	52.71	13.21
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.35	
			For Cement Mortar Lining (CML), Add	3.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.45	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.64	
			For Class 51, Add	3.07	
			For Class 52, Add	6.88	
			For Class 53, Add	18.27	
			For Class 54, Add	26.05	
			For Class 55, Add	29.97	
			For Class 56, Add	33.82	



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11	13 13-1012	LF	14" Push-On Joint Ductile Iron Pipe.....	64.16	14.90
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.33	
			For Cement Mortar Lining (CML), Add	4.17	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.12	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.21	
			For Class 51, Add	3.88	
			For Class 52, Add	8.69	
			For Class 53, Add	23.17	
			For Class 54, Add	33.05	
			For Class 55, Add	38.00	
			For Class 56, Add	42.87	
33 11	13 13-1013	LF	16" Push-On Joint Ductile Iron Pipe.....	76.02	16.98
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.63	
			For Cement Mortar Lining (CML), Add	5.03	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.77	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.80	
			For Class 51, Add	4.66	
			For Class 52, Add	10.46	
			For Class 53, Add	27.93	
			For Class 54, Add	39.84	
			For Class 55, Add	45.80	
			For Class 56, Add	51.66	
33 11	13 13-1014	LF	18" Push-On Joint Ductile Iron Pipe.....	88.46	19.87
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.95	
			For Cement Mortar Lining (CML), Add	5.84	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.38	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.42	
			For Class 51, Add	5.42	
			For Class 52, Add	12.15	
			For Class 53, Add	32.43	
			For Class 54, Add	46.28	
			For Class 55, Add	53.20	
			For Class 56, Add	60.00	
33 11	13 13-1015	LF	20" Push-On Joint Ductile Iron Pipe.....	102.13	23.78
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.11	
			For Cement Mortar Lining (CML), Add	6.61	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.96	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.11	
			For Class 51, Add	6.15	
			For Class 52, Add	13.80	
			For Class 53, Add	36.77	
			For Class 54, Add	52.45	
			For Class 55, Add	60.31	
			For Class 56, Add	68.03	
33 11	13 13-1016	LF	24" Push-On Joint Ductile Iron Pipe.....	129.17	29.71
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.06	
			For Cement Mortar Lining (CML), Add	8.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.31	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-6.46	
			For Class 51, Add	7.82	
			For Class 52, Add	17.53	
			For Class 53, Add	46.75	
			For Class 54, Add	66.69	
			For Class 55, Add	76.68	
			For Class 56, Add	86.49	
33 11	13 13-1017	LF	30" Push-On Joint Ductile Iron Pipe.....	152.71	31.71
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.44	
			For Cement Mortar Lining (CML), Add	10.47	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.85	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-7.64	
			For Class 51, Add	9.63	
			For Class 52, Add	21.62	
			For Class 53, Add	57.88	
			For Class 54, Add	82.61	
			For Class 55, Add	94.94	
			For Class 56, Add	107.05	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1018 LF 36" Push-On Joint Ductile Iron Pipe.....	188.87	33.71
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.71	
For Cement Mortar Lining (CML), Add	13.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.33	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.44	
For Class 51, Add	12.53	
For Class 52, Add	28.16	
For Class 53, Add	75.75	
For Class 54, Add	108.14	
For Class 55, Add	124.22	
For Class 56, Add	140.02	
33 11 13 13-1019 LF 42" Push-On Joint Ductile Iron Pipe.....	229.74	35.72
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	54.46	
For Cement Mortar Lining (CML), Add	17.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.18	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.49	
For Class 51, Add	15.84	
For Class 52, Add	35.63	
For Class 53, Add	96.17	
For Class 54, Add	137.34	
For Class 55, Add	157.71	
For Class 56, Add	177.71	
33 11 13 13-1020 LF 48" Push-On Joint Ductile Iron Pipe.....	276.11	37.64
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	67.89	
For Cement Mortar Lining (CML), Add	21.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.43	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.81	
For Class 51, Add	19.61	
For Class 52, Add	44.16	
For Class 53, Add	119.51	
For Class 54, Add	170.70	
For Class 55, Add	195.97	
For Class 56, Add	220.77	
33 11 13 13-1021 LF 54" Push-On Joint Ductile Iron Pipe.....	349.37	39.64
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	89.68	
For Cement Mortar Lining (CML), Add	28.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.70	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-17.47	
For Class 51, Add	25.72	
For Class 52, Add	57.94	
For Class 53, Add	157.29	
For Class 54, Add	224.72	
For Class 55, Add	257.90	
For Class 56, Add	290.48	
33 11 13 13-1022 Push-On Joint Ductile Iron 90 Degree Elbow (33 11 13 13-1005)		
33 11 13 13-1023 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron.....	150.16	27.03
For Cement Mortar Lining (CML), Add	10.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.19	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1024 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron.....	217.85	39.88
For Cement Mortar Lining (CML), Add	15.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.80	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1025 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron.....	290.10	47.35
For Cement Mortar Lining (CML), Add	21.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1026 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron.....	439.05	52.70
For Cement Mortar Lining (CML), Add	33.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1027 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron.....	564.44	61.83
For Cement Mortar Lining (CML), Add	43.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.75	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1028 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron.....	1,101.06	69.35
For Cement Mortar Lining (CML), Add	95.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.82	
Note: ANSI/AWWA C151/A21.51		



	Utilities	33	
	Water Utilities	33 10	33
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1029 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,244.97 108.12 81.09	79.29
33 11 13 13-1030 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,935.49 170.61 127.96	111.01
33 11 13 13-1031 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,180.28 190.05 142.54	139.92
33 11 13 13-1032 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,722.47 237.27 177.95	174.92
33 11 13 13-1033 Push-On Joint Ductile Iron 45 Degree Elbow (33 11 13 13-1005)		
33 11 13 13-1034 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	125.34 8.44 6.33	27.03
33 11 13 13-1035 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	184.47 12.40 9.30	39.88
33 11 13 13-1036 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	254.18 18.24 13.68	47.35
33 11 13 13-1037 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	389.46 28.05 21.03	52.70
33 11 13 13-1038 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	501.26 37.35 28.01	61.83
33 11 13 13-1039 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	706.48 56.31 42.23	69.35
33 11 13 13-1040 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,038.36 87.45 65.59	79.29
33 11 13 13-1041 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,200.49 97.11 72.84	111.01
33 11 13 13-1042 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,677.05 139.72 104.79	139.92
33 11 13 13-1043 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,081.52 173.18 129.88	174.92
33 11 13 13-1044 Push-On Joint Ductile Iron Tee (33 11 13 13-1005)		
33 11 13 13-1045 EA 4" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	229.29 16.88 12.66	39.88
33 11 13 13-1046 EA 6" Tee, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	319.84 23.10 17.33	58.61

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1047 EA 8" Tee, Push-On Joint Ductile Iron.....	435.22	71.03
For Cement Mortar Lining (CML), Add	32.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1048 EA 10" Tee, Push-On Joint Ductile Iron.....	635.48	80.10
For Cement Mortar Lining (CML), Add	51.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.65	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1049 EA 12" Tee, Push-On Joint Ductile Iron.....	790.06	92.35
For Cement Mortar Lining (CML), Add	64.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1050 EA 14" Tee, Push-On Joint Ductile Iron.....	1,264.46	111.01
For Cement Mortar Lining (CML), Add	109.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1051 EA 16" Tee, Push-On Joint Ductile Iron.....	1,823.14	138.80
For Cement Mortar Lining (CML), Add	161.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1052 EA 18" Tee, Push-On Joint Ductile Iron.....	2,293.75	185.17
For Cement Mortar Lining (CML), Add	201.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.99	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1053 EA 20" Tee, Push-On Joint Ductile Iron.....	2,704.60	225.94
For Cement Mortar Lining (CML), Add	236.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	177.17	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1054 EA 24" Tee, Push-On Joint Ductile Iron.....	3,539.54	282.40
For Cement Mortar Lining (CML), Add	311.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	233.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1055 Flanged End x Push-On Joint Ductile Iron Adapters <small>(33 11 13 13-1005)</small>		
33 11 13 13-1056 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron	250.93	93.78
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1057 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron	307.85	116.12
For Cement Mortar Lining (CML), Add	13.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.89	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1058 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron	394.88	135.43
For Cement Mortar Lining (CML), Add	18.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.22	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1059 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron	547.70	198.23
For Cement Mortar Lining (CML), Add	24.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.55	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1060 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron	656.57	226.58
For Cement Mortar Lining (CML), Add	31.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.50	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1061 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron	748.95	243.95
For Cement Mortar Lining (CML), Add	37.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.45	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1062 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron	878.69	264.30
For Cement Mortar Lining (CML), Add	47.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.87	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-1063 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,041.23	317.16
For Cement Mortar Lining (CML), Add	56.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.05	
Note: ANSI/AWWA C151/A21.51		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1064 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,201.81 66.79 50.09	352.40
33 11 13 13-1065 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,490.10 87.40 65.55	406.62
33 11 13 13-1066 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,307.90 156.86 117.65	487.92
33 11 13 13-1067 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,162.25 223.81 167.86	609.90
33 11 13 13-1068 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,965.97 289.81 217.36	704.81
33 11 13 13-1069 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,064.93 369.19 276.90	906.15
33 11 13 13-1070 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,133.25 453.10 339.82	1,057.44
33 11 13 13-1071 Push-On Joint Ductile Iron Pipe And Fitting Restraints <small>(33 11 13 13-1005)</small> <i>Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.</i>		
33 11 13 13-1072 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	31.91	10.16
33 11 13 13-1073 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	35.50	10.16
33 11 13 13-1074 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	47.52	14.42
33 11 13 13-1075 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.16	15.86
33 11 13 13-1076 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	68.03	17.62
33 11 13 13-1077 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	85.95	19.78
33 11 13 13-1078 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	101.42	22.67
33 11 13 13-1079 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	117.19	26.43
33 11 13 13-1080 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	136.73	31.71
33 11 13 13-1081 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	162.07	31.71
33 11 13 13-1082 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	214.48	39.64
33 11 13 13-1083 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	273.33	39.64
33 11 13 13-1084 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	351.53	52.86
33 11 13 13-1085 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	403.82	52.86
33 11 13 13-1086 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	548.55	52.86
33 11 13 13-1087 Push-On Joint Ductile Iron Bell Restraint Harness (Megalug 1700) <small>(33 11 13 13-1005)</small>		
33 11 13 13-1088 EA 4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	157.11	54.06
33 11 13 13-1089 EA 6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	205.46	66.00
33 11 13 13-1090 EA 8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	263.12	80.49
33 11 13 13-1091 EA 10" Bell Restraint Harness, Ductile Iron (Megalug 1700)	389.30	98.19
33 11 13 13-1092 EA 12" Bell Restraint Harness, Ductile Iron (Megalug 1700)	482.25	119.74
33 11 13 13-1093 EA 14" Bell Restraint Harness, Ductile Iron (Megalug 1700)	812.38	146.08
33 11 13 13-1094 EA 16" Bell Restraint Harness, Ductile Iron (Megalug 1700)	931.09	178.29
33 11 13 13-1095 EA 18" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,061.81	217.45
33 11 13 13-1096 EA 20" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,433.72	265.34
33 11 13 13-1097 EA 24" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,824.07	323.65
33 11 13 13-1098 EA 30" Bell Restraint Harness, Ductile Iron (Megalug 1700)	3,096.63	394.94
33 11 13 13-1099 EA 36" Bell Restraint Harness, Ductile Iron (Megalug 1700)	4,368.97	481.75
33 11 13 13-1100 EA 42" Bell Restraint Harness, Ductile Iron (Megalug 1700)	7,845.60	587.79
33 11 13 13-1101 EA 48" Bell Restraint Harness, Ductile Iron (Megalug 1700)	10,136.13	717.06
33 11 13 13-1102 Ductile Iron Pipe Repair <small>(33 11 13 13-0001)</small> <i>See CSI section 33 11 13 13-0002 for mechanical joint fittings.</i>		
33 11 13 13-1103 Ductile Iron Pipe Repair <small>(33 11 13 13-1102)</small> <i>Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.</i>		
33 11 13 13-1104 EA 30" Diameter Mechanical Ductile Iron Push Joint	2,323.93	
33 11 13 13-1105 EA 36" Diameter Mechanical Ductile Iron Push Joint	2,944.60	
33 11 13 13-1106 EA 42" Diameter Mechanical Ductile Iron Push Joint	3,717.31	
33 11 13 13-1107 EA 48" Diameter Mechanical Ductile Iron Push Joint	4,663.90	
33 11 13 13-1108 EA 54" Diameter Mechanical Ductile Iron Push Joint	6,744.39	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-1109			WEKO Seals <small>(33 11 13 13-1102)</small> Note: Internal joint seal.		
33 11 13 13-1110	EA		16" WEKO Internal Joint Seal.....	1,271.05	142.00
			<i>For Extra Wide Seals, Add</i>	80.76	
33 11 13 13-1111	EA		18" WEKO Internal Joint Seal.....	1,354.04	149.95
			<i>For Extra Wide Seals, Add</i>	81.36	
33 11 13 13-1112	EA		20" WEKO Internal Joint Seal.....	1,436.90	157.89
			<i>For Extra Wide Seals, Add</i>	81.96	
33 11 13 13-1113	EA		24" WEKO Internal Joint Seal.....	1,522.56	170.52
			<i>For Extra Wide Seals, Add</i>	82.92	
33 11 13 13-1114	EA		30" WEKO Internal Joint Seal.....	1,572.28	183.15
			<i>For Extra Wide Seals, Add</i>	83.88	
33 11 13 13-1115	EA		36" WEKO Internal Joint Seal.....	1,650.14	198.94
			<i>For Extra Wide Seals, Add</i>	85.07	
33 11 13 13-1116	EA		42" WEKO Internal Joint Seal.....	1,759.78	217.88
			<i>For Extra Wide Seals, Add</i>	86.51	
33 11 13 13-1117	EA		48" WEKO Internal Joint Seal.....	1,900.59	233.67
			<i>For Extra Wide Seals, Add</i>	87.70	
33 11 13 13-1118	EA		54" WEKO Internal Joint Seal.....	1,971.88	246.31
			<i>For Extra Wide Seals, Add</i>	88.66	
33 11 13 13-1119	EA		60" WEKO Internal Joint Seal.....	2,056.34	265.26
			<i>For Extra Wide Seals, Add</i>	90.10	
33 11 13 23			Plastic Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 23-0001			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 11 13 23)</small>		
33 11 13 23-0002			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 11 13 23-0001)</small>		
33 11 13 23-0003	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.72	0.63
			<i>For >1,000, Deduct</i>	-0.09	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.02	
33 11 13 23-0004	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.88	0.68
			<i>For >1,000, Deduct</i>	-0.09	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.03	
33 11 13 23-0005	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.15	0.74
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	
33 11 13 23-0006	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.45	0.82
			<i>For >1,000, Deduct</i>	-0.12	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 11 13 23-0007	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.06	0.91
			<i>For >1,000, Deduct</i>	-0.15	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.12	
33 11 13 23-0008	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.82	1.03
			<i>For >1,000, Deduct</i>	-0.19	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19	
33 11 13 23-0009	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.64	1.18
			<i>For >1,000, Deduct</i>	-0.23	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.25	
33 11 13 23-0010	LF		4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.40	1.45
			<i>For >1,000, Deduct</i>	-0.32	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.42	
33 11 13 23-0011	LF		6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	10.65	1.85
			<i>For >1,000, Deduct</i>	-0.53	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.90	
33 11 13 23-0012	LF		8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	16.41	2.47
			<i>For >1,000, Deduct</i>	-0.82	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.53	
33 11 13 23-0013	LF		10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	24.17	3.31
			<i>For >1,000, Deduct</i>	-1.21	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.38	
33 11 13 23-0014	LF		12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	33.53	4.45
			<i>For >1,000, Deduct</i>	-1.68	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.36	
33 11 13 23-0015			90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0001)</small>		
33 11 13 23-0016	EA		3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	18.97	7.52
33 11 13 23-0017	EA		1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	23.92	9.40
33 11 13 23-0018	EA		1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	30.05	11.75
33 11 13 23-0019	EA		1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	41.34	13.00
33 11 13 23-0020	EA		2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	45.09	14.57
33 11 13 23-0021	EA		2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	52.83	16.53
33 11 13 23-0022	EA		3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	60.11	18.91
33 11 13 23-0023	EA		4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	80.90	23.23
33 11 13 23-0024	EA		6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	113.14	29.50
33 11 13 23-0025	EA		8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	175.45	38.73
33 11 13 23-0026	EA		10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	219.32	51.82
33 11 13 23-0027	EA		12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	290.98	69.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0001)</small>		
33 11 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	19.20	7.52
33 11 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	24.09	9.40
33 11 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	30.15	11.75
33 11 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	38.26	13.00
33 11 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	45.38	14.57
33 11 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	54.00	16.53
33 11 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	59.62	18.91
33 11 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	79.84	23.23
33 11 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	111.00	29.50
33 11 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	171.36	38.73
33 11 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	202.39	51.82
33 11 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	267.55	69.75
33 11 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0001)</small>		
33 11 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	28.44	11.28
33 11 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	35.83	14.18
33 11 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	44.86	17.71
33 11 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	58.21	19.58
33 11 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	65.89	21.78
33 11 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	76.23	24.83
33 11 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	91.49	28.29
33 11 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	118.20	34.87
33 11 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	184.51	44.32
33 11 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	269.47	58.10
33 11 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	323.93	79.43
33 11 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	411.16	106.89
33 11 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0001)</small>		
33 11 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	12.69	5.01
33 11 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	17.09	6.74
33 11 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	22.70	8.85
33 11 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	29.59	9.80
33 11 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	32.73	10.89
33 11 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	37.24	12.38
33 11 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.16	14.15
33 11 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	57.55	17.40
33 11 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	79.94	22.17
33 11 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	128.58	29.04
33 11 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	155.32	39.76
33 11 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	200.22	53.45
33 11 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 11 13 23)</small>		
33 11 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0067)</small>		
33 11 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	1.84	0.63
For >1,000, Deduct	-0.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 11 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.10	0.68
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 11 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.66	0.82
For >1,000, Deduct	-0.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.09	
33 11 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.14	0.91
For >1,000, Deduct	-0.16	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 11 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.95	1.03
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21	
33 11 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.72	1.18
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.27	
33 11 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	6.18	1.45
For >1,000, Deduct	-0.31	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.38	
33 11 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	9.07	1.85
For >1,000, Deduct	-0.45	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.67	
33 11 13 23-0077 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0067)</small>		
33 11 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	19.05	7.52
33 11 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	23.97	9.40
33 11 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	33.28	13.00
33 11 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	37.43	14.57
33 11 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	44.22	16.53
33 11 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	50.69	18.91

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.14	23.23
33 11 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	96.26	29.50
33 11 13 23-0086 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	19.03	7.52
33 11 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	23.95	9.40
33 11 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	33.28	13.00
33 11 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	37.35	14.57
33 11 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	44.00	16.53
33 11 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	50.44	18.91
33 11 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	64.62	23.23
33 11 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	94.60	29.50
33 11 13 23-0095 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	28.53	11.28
33 11 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	35.90	14.18
33 11 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	49.80	19.58
33 11 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	55.86	21.78
33 11 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	66.46	24.83
33 11 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	77.11	28.29
33 11 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	95.58	34.87
33 11 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	145.98	44.32
33 11 13 23-0104 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	12.73	5.01
33 11 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	17.13	6.74
33 11 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.84	9.80
33 11 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	27.92	10.89
33 11 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	32.46	12.38
33 11 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	37.63	14.15
33 11 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	46.52	17.40
33 11 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	65.61	22.17
33 11 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	38.12	15.04
33 11 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	47.81	18.88
33 11 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	66.39	26.09
33 11 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	74.47	29.06
33 11 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	88.58	33.06
33 11 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	102.76	37.75
33 11 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	127.39	46.44
33 11 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	194.43	59.08
33 11 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 11 13 23)		
33 11 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0122)		
33 11 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.23	0.68
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 11 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.92	0.82
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 11 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.58	0.91
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.20	
33 11 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.51	1.03
For >1,000, Deduct	-0.23	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.29	
33 11 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.52	1.18
For >1,000, Deduct	-0.28	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.39	
33 11 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.40	1.45
For >1,000, Deduct	-0.37	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.57	
33 11 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.79	1.85
For >1,000, Deduct	-0.59	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.08	
33 11 13 23-0131 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 11 13 23-0122)		
33 11 13 23-0132 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	24.64	9.40
33 11 13 23-0133 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	33.28	13.00
33 11 13 23-0134 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	38.11	14.57
33 11 13 23-0135 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	45.66	16.53
33 11 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	52.03	18.91
33 11 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	65.46	23.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	94.74	29.50
33 11 13 23-0139 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	27.41	9.40
33 11 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	35.94	13.00
33 11 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	40.67	14.57
33 11 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	50.47	16.53
33 11 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	58.29	18.91
33 11 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	78.05	23.23
33 11 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	93.90	29.50
33 11 13 23-0147 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	37.32	14.18
33 11 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	54.11	19.58
33 11 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	60.99	21.78
33 11 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	69.17	24.83
33 11 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	79.70	28.29
33 11 13 23-0153 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	97.45	34.87
33 11 13 23-0154 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	145.91	44.32
33 11 13 23-0155 Couplings, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0156 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	18.14	6.74
33 11 13 23-0157 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.58	9.80
33 11 13 23-0158 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	29.56	10.89
33 11 13 23-0159 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	36.67	12.38
33 11 13 23-0160 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	41.86	14.15
33 11 13 23-0161 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	51.67	17.40
33 11 13 23-0162 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	72.80	22.17
33 11 13 23-0163 Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0164 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross	49.69	18.88
33 11 13 23-0165 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	72.10	26.09
33 11 13 23-0166 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross	81.28	29.06
33 11 13 23-0167 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	92.19	33.06
33 11 13 23-0168 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross	109.21	37.75
33 11 13 23-0169 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross	129.88	46.44
33 11 13 23-0170 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross	194.34	59.08
33 11 13 23-0171 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23)</small>		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 11 13 23-0172 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0173 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	7.62	2.80
33 11 13 23-0174 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	10.88	3.39
33 11 13 23-0175 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	14.68	3.82
33 11 13 23-0176 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	19.12	4.24
33 11 13 23-0177 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	24.54	4.75
33 11 13 23-0178 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0179 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	8.33	2.80
33 11 13 23-0180 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	12.37	3.39
33 11 13 23-0181 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	17.19	3.82
33 11 13 23-0182 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	23.02	4.24
33 11 13 23-0183 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	29.99	4.75
33 11 13 23-0184 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0185 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	9.04	2.80
33 11 13 23-0186 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	13.85	3.39
33 11 13 23-0187 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	19.70	3.82
33 11 13 23-0188 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	26.84	4.24
33 11 13 23-0189 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	35.43	4.75
33 11 13 23-0190 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0191 LF 18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	31.02	7.13
33 11 13 23-0192 LF 20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	37.63	8.49
33 11 13 23-0193 LF 24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	49.55	10.19
33 11 13 23-0194 LF 30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	69.36	11.88
33 11 13 23-0195 LF 36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	93.54	13.58
33 11 13 23-0196 LF 42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	116.35	14.43
33 11 13 23-0197 LF 48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	145.18	15.53

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0198 AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0199 LF 14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	22.92	5.34
33 11 13 23-0200 LF 16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.19	5.94
33 11 13 23-0201 LF 18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	34.79	7.13
33 11 13 23-0202 LF 20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	42.53	8.49
33 11 13 23-0203 LF 24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	57.11	10.19
33 11 13 23-0204 LF 30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	80.21	11.88
33 11 13 23-0205 LF 36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	108.05	13.58
33 11 13 23-0206 LF 42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	140.49	14.43
33 11 13 23-0207 LF 48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	176.51	15.53
33 11 13 23-0208 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0209 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	25.83	5.34
33 11 13 23-0210 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	32.22	5.94
33 11 13 23-0211 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	39.80	7.13
33 11 13 23-0212 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	49.03	8.49
33 11 13 23-0213 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	66.44	10.19
33 11 13 23-0214 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	94.22	11.88
33 11 13 23-0215 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	128.51	13.58
33 11 13 23-0216 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	164.73	14.43
33 11 13 23-0217 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	208.14	15.53
33 11 13 23-0218 AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0219 LF 14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	30.79	5.34
33 11 13 23-0220 LF 16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	38.12	5.94
33 11 13 23-0221 LF 18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	47.39	7.13
33 11 13 23-0222 LF 20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	58.20	8.49
33 11 13 23-0223 LF 24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	79.66	10.19
33 11 13 23-0224 LF 30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	114.97	11.88
33 11 13 23-0225 LF 36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	160.42	13.58
33 11 13 23-0226 LF 42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	211.52	14.43
33 11 13 23-0227 LF 48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	270.92	15.53
33 11 13 23-0228 AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0229 LF 14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	34.52	5.34
33 11 13 23-0230 LF 16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	42.97	5.94
33 11 13 23-0231 LF 18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	53.51	7.13
33 11 13 23-0232 LF 20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	65.83	8.49
33 11 13 23-0233 LF 24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	90.63	10.19
33 11 13 23-0234 LF 30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	131.84	11.88
33 11 13 23-0235 LF 36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	185.07	13.58
33 11 13 23-0236 LF 42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	245.31	14.43
33 11 13 23-0237 AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0171)</small>		
33 11 13 23-0238 LF 14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	38.16	5.34
33 11 13 23-0239 LF 16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	47.70	5.94
33 11 13 23-0240 LF 18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	59.47	7.13
33 11 13 23-0241 LF 20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	73.25	8.49
33 11 13 23-0242 LF 24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	101.30	10.19
33 11 13 23-0243 LF 30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	148.26	11.88
33 11 13 23-0244 LF 36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	209.06	13.58
33 11 13 23-0245 AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings <small>(33 11 13 23)</small>		
Note: Includes rubber gaskets.		
33 11 13 23-0246 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0247 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	138.33	9.40
For DR 25, Deduct	-7.17	
33 11 13 23-0248 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	282.07	10.58
For DR 25, Deduct	-15.65	
33 11 13 23-0249 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	423.15	11.75
For DR 25, Deduct	-23.98	
33 11 13 23-0250 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	646.08	18.56
For DR 25, Deduct	-36.54	
33 11 13 23-0251 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	726.18	30.93
For DR 25, Deduct	-39.86	
33 11 13 23-0252 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,262.97	38.67
For DR 25, Deduct	-71.14	
33 11 13 23-0253 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,507.23	46.41
For DR 25, Deduct	-84.86	
33 11 13 23-0254 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,584.22	61.88
For DR 25, Deduct	-147.63	
33 11 13 23-0255 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,181.40	77.35
For DR 25, Deduct	-181.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0256 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,278.22 -304.16	104.42
33 11 13 23-0257 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0258 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	122.72 -6.24	9.40
33 11 13 23-0259 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	211.29 -11.41	10.58
33 11 13 23-0260 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	267.53 -14.64	11.75
33 11 13 23-0261 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	378.46 -20.48	18.56
33 11 13 23-0262 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	506.74 -26.69	30.93
33 11 13 23-0263 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	971.68 -53.66	38.67
33 11 13 23-0264 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,231.27 -68.31	46.41
33 11 13 23-0265 EA 18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,122.83 -119.94	61.88
33 11 13 23-0266 EA 20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,636.70 -148.92	77.35
33 11 13 23-0267 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,720.35 -210.69	104.42
33 11 13 23-0268 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0269 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	120.83 -6.12	9.40
33 11 13 23-0270 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	211.29 -11.41	10.58
33 11 13 23-0271 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	267.53 -14.64	11.75
33 11 13 23-0272 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	378.47 -20.48	18.56
33 11 13 23-0273 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	506.74 -26.69	30.93
33 11 13 23-0274 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	968.57 -53.66	37.13
33 11 13 23-0275 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,231.24 -68.31	46.41
33 11 13 23-0276 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,122.83 -119.94	61.88
33 11 13 23-0277 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,636.70 -148.92	77.35
33 11 13 23-0278 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,720.35 -210.69	104.42
33 11 13 23-0279 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0280 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	106.85 -5.28	9.40
33 11 13 23-0281 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	211.29 -11.41	10.58
33 11 13 23-0282 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	267.53 -14.64	11.75
33 11 13 23-0283 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	378.47 -20.48	18.56
33 11 13 23-0284 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	506.74 -26.69	30.93
33 11 13 23-0285 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	968.57 -53.66	37.13
33 11 13 23-0286 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,231.24 -68.31	46.41
33 11 13 23-0287 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,122.83 -119.94	61.88
33 11 13 23-0288 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,636.70 -148.92	77.35
33 11 13 23-0289 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,720.35 -210.69	104.42
33 11 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0291 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	164.32 -8.59	10.58
33 11 13 23-0292 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	316.21 -17.56	11.75

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0293	EA		8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	440.83	13.32
			<i>For DR 25, Deduct</i>	-24.85	
33 11 13 23-0294	EA		10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	908.10	23.21
			<i>For DR 25, Deduct</i>	-51.70	
33 11 13 23-0295	EA		12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,110.63	46.41
			<i>For DR 25, Deduct</i>	-61.07	
33 11 13 23-0296	EA		14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,002.64	58.01
			<i>For DR 25, Deduct</i>	-113.20	
33 11 13 23-0297	EA		16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,480.18	69.62
			<i>For DR 25, Deduct</i>	-140.46	
33 11 13 23-0298	EA		18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,130.03	92.81
			<i>For DR 25, Deduct</i>	-176.66	
33 11 13 23-0299	EA		20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,759.33	116.02
			<i>For DR 25, Deduct</i>	-211.64	
33 11 13 23-0300	EA		24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,147.72	78.89
			<i>For DR 25, Deduct</i>	-299.40	
33 11 13 23-0301			Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0302	EA		6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	315.33	15.28
			<i>For DR 25, Deduct</i>	-17.09	
33 11 13 23-0303	EA		8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	428.34	16.46
			<i>For DR 25, Deduct</i>	-23.73	
33 11 13 23-0304	EA		8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	439.08	17.04
			<i>For DR 25, Deduct</i>	-24.30	
33 11 13 23-0305	EA		10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,348.66	23.21
			<i>For DR 25, Deduct</i>	-258.14	
33 11 13 23-0306	EA		10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	770.60	23.78
			<i>For DR 25, Deduct</i>	-43.38	
33 11 13 23-0307	EA		10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	824.23	24.36
			<i>For DR 25, Deduct</i>	-46.53	
33 11 13 23-0308	EA		12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	875.04	35.58
			<i>For DR 25, Deduct</i>	-48.23	
33 11 13 23-0309	EA		12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,003.88	36.16
			<i>For DR 25, Deduct</i>	-55.89	
33 11 13 23-0310	EA		12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,064.81	36.74
			<i>For DR 25, Deduct</i>	-59.48	
33 11 13 23-0311	EA		12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,085.21	40.22
			<i>For DR 25, Deduct</i>	-60.29	
33 11 13 23-0312	EA		14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,645.70	41.77
			<i>For DR 25, Deduct</i>	-93.73	
33 11 13 23-0313	EA		14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,711.77	42.34
			<i>For DR 25, Deduct</i>	-97.62	
33 11 13 23-0314	EA		14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,777.99	42.93
			<i>For DR 25, Deduct</i>	-101.53	
33 11 13 23-0315	EA		14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,849.63	46.41
			<i>For DR 25, Deduct</i>	-105.41	
33 11 13 23-0316	EA		14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,926.94	52.60
			<i>For DR 25, Deduct</i>	-109.31	
33 11 13 23-0317	EA		16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,053.65	51.05
			<i>For DR 25, Deduct</i>	-117.09	
33 11 13 23-0318	EA		16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,118.53	51.05
			<i>For DR 25, Deduct</i>	-120.99	
33 11 13 23-0319	EA		16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,184.61	51.63
			<i>For DR 25, Deduct</i>	-124.88	
33 11 13 23-0320	EA		16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,250.66	52.21
			<i>For DR 25, Deduct</i>	-128.77	
33 11 13 23-0321	EA		16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,334.88	61.88
			<i>For DR 25, Deduct</i>	-132.67	
33 11 13 23-0322	EA		16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,405.96	64.98
			<i>For DR 25, Deduct</i>	-136.56	
33 11 13 23-0323	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,538.40	66.52
			<i>For DR 25, Deduct</i>	-144.32	
33 11 13 23-0324	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,604.92	67.10
			<i>For DR 25, Deduct</i>	-148.24	
33 11 13 23-0325	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,670.98	67.68
			<i>For DR 25, Deduct</i>	-152.14	
33 11 13 23-0326	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,742.83	71.16
			<i>For DR 25, Deduct</i>	-156.03	
33 11 13 23-0327	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,820.07	77.35
			<i>For DR 25, Deduct</i>	-159.92	
33 11 13 23-0328	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,890.73	80.44
			<i>For DR 25, Deduct</i>	-163.79	
33 11 13 23-0329	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,980.59	85.09
			<i>For DR 25, Deduct</i>	-168.63	
33 11 13 23-0330	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,219.19	81.99
			<i>For DR 25, Deduct</i>	-183.31	
33 11 13 23-0331	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,331.15	82.57
			<i>For DR 25, Deduct</i>	-189.96	
33 11 13 23-0332	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,375.28	83.15
			<i>For DR 25, Deduct</i>	-192.54	
33 11 13 23-0333	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,425.26	86.63
			<i>For DR 25, Deduct</i>	-195.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 11	13 23-0334	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,480.62	92.81
				<i>For DR 25, Deduct</i>	-197.70	
	33 11	13 23-0335	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,556.47	95.91
				<i>For DR 25, Deduct</i>	-201.88	
	33 11	13 23-0336	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,635.45	100.55
				<i>For DR 25, Deduct</i>	-206.06	
	33 11	13 23-0337	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,697.38	108.29
				<i>For DR 25, Deduct</i>	-208.85	
	33 11	13 23-0338	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,791.88	109.06
				<i>For DR 25, Deduct</i>	-214.43	
	33 11	13 23-0339	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,839.54	109.64
				<i>For DR 25, Deduct</i>	-217.22	
	33 11	13 23-0340	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,887.17	110.22
				<i>For DR 25, Deduct</i>	-220.00	
	33 11	13 23-0341	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,083.16	113.71
				<i>For DR 25, Deduct</i>	-231.35	
	33 11	13 23-0342	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,284.55	119.89
				<i>For DR 25, Deduct</i>	-242.69	
	33 11	13 23-0343	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,479.77	122.99
				<i>For DR 25, Deduct</i>	-254.03	
	33 11	13 23-0344	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,678.08	127.63
				<i>For DR 25, Deduct</i>	-265.37	
	33 11	13 23-0345	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,882.58	135.36
				<i>For DR 25, Deduct</i>	-276.71	
	33 11	13 23-0346	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,087.08	143.10
				<i>For DR 25, Deduct</i>	-288.05	
	33 11	13 23-0347		Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
			EA	4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	228.51	18.80
				<i>For DR 25, Deduct</i>	-11.45	
			EA	6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	408.69	21.15
				<i>For DR 25, Deduct</i>	-21.98	
			EA	8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	565.01	23.50
				<i>For DR 25, Deduct</i>	-31.08	
			EA	10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,150.92	37.13
				<i>For DR 25, Deduct</i>	-64.60	
			EA	12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,365.34	46.41
				<i>For DR 25, Deduct</i>	-76.35	
			EA	14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,482.16	61.88
				<i>For DR 25, Deduct</i>	-141.50	
			EA	16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,080.41	77.35
				<i>For DR 25, Deduct</i>	-175.55	
			EA	18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,928.56	123.76
				<i>For DR 25, Deduct</i>	-220.86	
			EA	20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,718.58	154.69
				<i>For DR 25, Deduct</i>	-264.55	
			EA	24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,654.71	208.85
				<i>For DR 25, Deduct</i>	-374.22	
	33 11	13 23-0358		Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
			EA	6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	396.21	19.98
				<i>For DR 25, Deduct</i>	-21.38	
			EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	537.21	21.15
				<i>For DR 25, Deduct</i>	-29.69	
			EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	551.02	22.32
				<i>For DR 25, Deduct</i>	-30.38	
			EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	825.31	27.85
				<i>For DR 25, Deduct</i>	-46.18	
			EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	961.91	29.01
				<i>For DR 25, Deduct</i>	-54.23	
			EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,056.49	30.16
				<i>For DR 25, Deduct</i>	-59.77	
			EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,085.62	40.22
				<i>For DR 25, Deduct</i>	-60.31	
			EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,247.16	41.39
				<i>For DR 25, Deduct</i>	-69.86	
			EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,324.21	42.54
				<i>For DR 25, Deduct</i>	-74.35	
			EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,354.87	49.50
				<i>For DR 25, Deduct</i>	-75.35	
			EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,045.51	46.41
				<i>For DR 25, Deduct</i>	-117.16	
			EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,128.72	47.57
				<i>For DR 25, Deduct</i>	-122.01	
			EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,212.82	48.73
				<i>For DR 25, Deduct</i>	-126.92	
			EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,308.17	55.69
				<i>For DR 25, Deduct</i>	-131.81	
			EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,413.73	68.06
				<i>For DR 25, Deduct</i>	-136.66	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0374 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,550.43	55.69
For DR 25, Deduct	-146.34	
33 11 13 23-0375 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,634.73	56.85
For DR 25, Deduct	-151.26	
33 11 13 23-0376 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,718.12	58.01
For DR 25, Deduct	-156.13	
33 11 13 23-0377 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,813.40	64.98
For DR 25, Deduct	-161.01	
33 11 13 23-0378 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,861.19	77.35
For DR 25, Deduct	-162.39	
33 11 13 23-0379 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,012.34	83.53
For DR 25, Deduct	-170.72	
33 11 13 23-0380 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,149.43	71.16
For DR 25, Deduct	-180.43	
33 11 13 23-0381 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,233.52	72.32
For DR 25, Deduct	-185.33	
33 11 13 23-0382 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,317.06	73.48
For DR 25, Deduct	-190.21	
33 11 13 23-0383 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,411.12	80.44
For DR 25, Deduct	-195.01	
33 11 13 23-0384 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,517.65	92.81
For DR 25, Deduct	-199.92	
33 11 13 23-0385 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,610.84	99.01
For DR 25, Deduct	-204.77	
33 11 13 23-0386 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,729.98	108.29
For DR 25, Deduct	-210.80	
33 11 13 23-0387 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,992.66	86.63
For DR 25, Deduct	-229.16	
33 11 13 23-0388 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,133.27	87.79
For DR 25, Deduct	-237.46	
33 11 13 23-0389 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,189.68	88.96
For DR 25, Deduct	-240.71	
33 11 13 23-0390 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,257.13	95.91
For DR 25, Deduct	-243.92	
33 11 13 23-0391 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,335.41	108.29
For DR 25, Deduct	-247.13	
33 11 13 23-0392 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,434.28	114.48
For DR 25, Deduct	-252.32	
33 11 13 23-0393 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,541.08	123.76
For DR 25, Deduct	-257.61	
33 11 13 23-0394 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,629.93	139.23
For DR 25, Deduct	-261.09	
33 11 13 23-0395 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,668.80	113.71
For DR 25, Deduct	-266.48	
33 11 13 23-0396 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,755.32	114.86
For DR 25, Deduct	-271.54	
33 11 13 23-0397 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,815.98	116.02
For DR 25, Deduct	-275.04	
33 11 13 23-0398 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,065.92	122.99
For DR 25, Deduct	-289.20	
33 11 13 23-0399 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,326.76	135.36
For DR 25, Deduct	-303.36	
33 11 13 23-0400 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,575.19	141.55
For DR 25, Deduct	-317.53	
33 11 13 23-0401 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,830.81	150.83
For DR 25, Deduct	-331.75	
33 11 13 23-0402 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,097.29	166.30
For DR 25, Deduct	-345.88	
33 11 13 23-0403 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,364.78	181.77
For DR 25, Deduct	-360.07	
33 11 13 23-0404 Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ^{(33 11 13}		
²³⁻⁰²⁴⁵⁾		
33 11 13 23-0405 EA 4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	83.17	9.40
For DR 25, Deduct	-3.86	
33 11 13 23-0406 EA 6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	154.02	10.58
For DR 25, Deduct	-7.97	
33 11 13 23-0407 EA 8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	185.26	11.75
For DR 25, Deduct	-9.71	
33 11 13 23-0408 EA 10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	263.39	18.56
For DR 25, Deduct	-13.58	
33 11 13 23-0409 EA 12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	418.19	23.21
For DR 25, Deduct	-22.31	
33 11 13 23-0410 EA 14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	724.36	30.93
For DR 25, Deduct	-39.75	
33 11 13 23-0411 EA 16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	858.34	38.67
For DR 25, Deduct	-46.86	
33 11 13 23-0412 EA 18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,051.03	61.88
For DR 25, Deduct	-115.64	
33 11 13 23-0413 EA 20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,300.33	77.35
For DR 25, Deduct	-128.74	
33 11 13 23-0414 EA 24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,238.38	104.42
For DR 25, Deduct	-181.77	



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0415 Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0416 EA 4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	102.78	9.40
For DR 25, Deduct	-5.04	
33 11 13 23-0417 EA 6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	139.31	10.58
For DR 25, Deduct	-7.09	
33 11 13 23-0418 EA 8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	202.01	11.75
For DR 25, Deduct	-10.71	
33 11 13 23-0419 EA 10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	276.46	18.56
For DR 25, Deduct	-14.36	
33 11 13 23-0420 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	443.18	30.93
For DR 25, Deduct	-22.88	
33 11 13 23-0421 EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,170.72	37.13
For DR 25, Deduct	-65.79	
33 11 13 23-0422 EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,584.26	46.41
For DR 25, Deduct	-89.49	
33 11 13 23-0423 EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,952.63	61.88
For DR 25, Deduct	-109.73	
33 11 13 23-0424 EA 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,333.28	77.35
For DR 25, Deduct	-130.72	
33 11 13 23-0425 EA 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,169.63	104.42
For DR 25, Deduct	-177.65	
33 11 13 23-0426 AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 11 13 23)</small>		
Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 11 13 23-0427 High Density Polyethylene (HDPE) Pressure Pipe <small>(33 11 13 23-0426)</small>		
33 11 13 23-0428 LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	5.31	2.20
For DR 19 (89 PSI), Add	0.08	
For DR 17 (100 PSI), Add	0.19	
For DR 15.5 (110 PSI), Add	0.28	
For DR 13.5 (128 PSI), Add	0.44	
For DR 11 (160 PSI), Add	0.70	
33 11 13 23-0429 LF 4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	7.68	2.80
For DR 26 (65 PSI), Deduct	-0.38	
For DR 19 (89 PSI), Add	0.19	
For DR 17 (100 PSI), Add	0.46	
For DR 15.5 (110 PSI), Add	0.67	
For DR 13.5 (128 PSI), Add	1.05	
For DR 11 (160 PSI), Add	1.69	
33 11 13 23-0430 LF 6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	11.27	3.39
For DR 26 (65 PSI), Deduct	-0.82	
For DR 19 (89 PSI), Add	0.40	
For DR 17 (100 PSI), Add	1.00	
For DR 15.5 (110 PSI), Add	1.46	
For DR 13.5 (128 PSI), Add	2.28	
For DR 11 (160 PSI), Add	3.66	
33 11 13 23-0431 LF 8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	15.24	3.82
For DR 26 (65 PSI), Deduct	-1.39	
For DR 19 (89 PSI), Add	0.68	
For DR 17 (100 PSI), Add	1.69	
For DR 15.5 (110 PSI), Add	2.47	
For DR 13.5 (128 PSI), Add	3.86	
For DR 11 (160 PSI), Add	6.21	
33 11 13 23-0432 LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	20.31	4.24
For DR 26 (65 PSI), Deduct	-2.17	
For DR 19 (89 PSI), Add	1.06	
For DR 17 (100 PSI), Add	2.63	
For DR 15.5 (110 PSI), Add	3.85	
For DR 13.5 (128 PSI), Add	6.00	
For DR 11 (160 PSI), Add	9.66	
33 11 13 23-0433 LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.46	47.52
For DR 26 (65 PSI), Deduct	-3.12	
For DR 19 (89 PSI), Add	1.53	
For DR 17 (100 PSI), Add	3.79	
For DR 15.5 (110 PSI), Add	5.54	
For DR 13.5 (128 PSI), Add	8.65	
For DR 11 (160 PSI), Add	13.93	
33 11 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	30.64	5.34
For DR 26 (65 PSI), Deduct	-3.67	
For DR 19 (89 PSI), Add	1.80	
For DR 17 (100 PSI), Add	4.45	
For DR 15.5 (110 PSI), Add	6.52	
For DR 13.5 (128 PSI), Add	10.17	
For DR 11 (160 PSI), Add	16.37	
33 11 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	38.05	5.94
For DR 26 (65 PSI), Deduct	-4.80	
For DR 19 (89 PSI), Add	2.36	
For DR 17 (100 PSI), Add	5.81	
For DR 15.5 (110 PSI), Add	8.52	
For DR 13.5 (128 PSI), Add	13.29	
For DR 11 (160 PSI), Add	21.39	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	47.37	7.13
For DR 26 (65 PSI), Deduct	-6.06	
For DR 19 (89 PSI), Add	2.98	
For DR 17 (100 PSI), Add	7.35	
For DR 15.5 (110 PSI), Add	10.76	
For DR 13.5 (128 PSI), Add	16.80	
For DR 11 (160 PSI), Add	27.03	
33 11 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	44.61	8.49
For DR 26 (65 PSI), Deduct	-5.07	
For DR 19 (89 PSI), Add	2.49	
For DR 17 (100 PSI), Add	6.14	
For DR 15.5 (110 PSI), Add	8.99	
For DR 13.5 (128 PSI), Add	14.04	
For DR 11 (160 PSI), Add	22.60	
33 11 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	79.21	10.19
For DR 26 (65 PSI), Deduct	-10.79	
For DR 19 (89 PSI), Add	5.30	
For DR 17 (100 PSI), Add	13.07	
For DR 15.5 (110 PSI), Add	19.15	
For DR 13.5 (128 PSI), Add	29.88	
For DR 11 (160 PSI), Add	48.10	
33 11 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping^{(33 11}		
^{13 23-0426)}		
33 11 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	52.57	11.75
For DR 26 (65 PSI), Deduct	-3.17	
For DR 19 (89 PSI), Add	1.56	
For DR 17 (100 PSI), Add	3.85	
For DR 15.5 (110 PSI), Add	5.63	
For DR 13.5 (128 PSI), Add	8.79	
For DR 11 (160 PSI), Add	14.15	
33 11 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	59.79	13.07
For DR 26 (65 PSI), Deduct	-3.78	
For DR 19 (89 PSI), Add	1.86	
For DR 17 (100 PSI), Add	4.58	
For DR 15.5 (110 PSI), Add	6.71	
For DR 13.5 (128 PSI), Add	10.47	
For DR 11 (160 PSI), Add	16.86	
33 11 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	99.60	14.93
For DR 26 (65 PSI), Deduct	-10.06	
For DR 19 (89 PSI), Add	4.94	
For DR 17 (100 PSI), Add	12.19	
For DR 15.5 (110 PSI), Add	17.85	
For DR 13.5 (128 PSI), Add	27.86	
For DR 11 (160 PSI), Add	44.85	
33 11 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	166.93	17.43
For DR 26 (65 PSI), Deduct	-21.02	
For DR 19 (89 PSI), Add	10.32	
For DR 17 (100 PSI), Add	25.48	
For DR 15.5 (110 PSI), Add	37.32	
For DR 13.5 (128 PSI), Add	58.25	
For DR 11 (160 PSI), Add	93.75	
33 11 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	261.05	23.27
For DR 26 (65 PSI), Deduct	-35.08	
For DR 19 (89 PSI), Add	17.23	
For DR 17 (100 PSI), Add	42.53	
For DR 15.5 (110 PSI), Add	62.28	
For DR 13.5 (128 PSI), Add	97.21	
For DR 11 (160 PSI), Add	156.47	
33 11 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	384.71	34.82
For DR 26 (65 PSI), Deduct	-51.38	
For DR 19 (89 PSI), Add	25.23	
For DR 17 (100 PSI), Add	62.28	
For DR 15.5 (110 PSI), Add	91.20	
For DR 13.5 (128 PSI), Add	142.35	
For DR 11 (160 PSI), Add	229.13	
33 11 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	473.47	46.47
For DR 26 (65 PSI), Deduct	-61.24	
For DR 19 (89 PSI), Add	30.07	
For DR 17 (100 PSI), Add	74.24	
For DR 15.5 (110 PSI), Add	108.72	
For DR 13.5 (128 PSI), Add	169.70	
For DR 11 (160 PSI), Add	273.14	
33 11 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	608.98	69.65
For DR 26 (65 PSI), Deduct	-73.34	
For DR 19 (89 PSI), Add	36.01	
For DR 17 (100 PSI), Add	88.91	
For DR 15.5 (110 PSI), Add	130.20	
For DR 13.5 (128 PSI), Add	203.22	
For DR 11 (160 PSI), Add	327.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	779.55	78.35
<i>For DR 26 (65 PSI), Deduct</i>	-99.81	
<i>For DR 19 (89 PSI), Add</i>	49.01	
<i>For DR 17 (100 PSI), Add</i>	120.99	
<i>For DR 15.5 (110 PSI), Add</i>	177.18	
<i>For DR 13.5 (128 PSI), Add</i>	276.55	
<i>For DR 11 (160 PSI), Add</i>	445.13	
33 11 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,088.31	88.92
<i>For DR 26 (65 PSI), Deduct</i>	-150.09	
<i>For DR 19 (89 PSI), Add</i>	73.69	
<i>For DR 17 (100 PSI), Add</i>	181.94	
<i>For DR 15.5 (110 PSI), Add</i>	266.44	
<i>For DR 13.5 (128 PSI), Add</i>	415.87	
<i>For DR 11 (160 PSI), Add</i>	669.38	
33 11 13 23-0450 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,406.51	104.51
<i>For DR 26 (65 PSI), Deduct</i>	-200.37	
<i>For DR 19 (89 PSI), Add</i>	98.38	
<i>For DR 17 (100 PSI), Add</i>	242.89	
<i>For DR 15.5 (110 PSI), Add</i>	355.70	
<i>For DR 13.5 (128 PSI), Add</i>	555.20	
<i>For DR 11 (160 PSI), Add</i>	893.63	
33 11 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 11 13 23-0426)</small>		
33 11 13 23-0452 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	59.47	12.30
<i>For DR 26 (65 PSI), Deduct</i>	-4.15	
<i>For DR 19 (89 PSI), Add</i>	2.04	
<i>For DR 17 (100 PSI), Add</i>	5.03	
<i>For DR 15.5 (110 PSI), Add</i>	7.37	
<i>For DR 13.5 (128 PSI), Add</i>	11.50	
<i>For DR 11 (160 PSI), Add</i>	18.51	
33 11 13 23-0453 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	68.42	13.93
<i>For DR 26 (65 PSI), Deduct</i>	-4.88	
<i>For DR 19 (89 PSI), Add</i>	2.40	
<i>For DR 17 (100 PSI), Add</i>	5.92	
<i>For DR 15.5 (110 PSI), Add</i>	8.67	
<i>For DR 13.5 (128 PSI), Add</i>	13.54	
<i>For DR 11 (160 PSI), Add</i>	21.79	
33 11 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	117.85	16.08
<i>For DR 26 (65 PSI), Deduct</i>	-12.77	
<i>For DR 19 (89 PSI), Add</i>	6.27	
<i>For DR 17 (100 PSI), Add</i>	15.48	
<i>For DR 15.5 (110 PSI), Add</i>	22.67	
<i>For DR 13.5 (128 PSI), Add</i>	35.38	
<i>For DR 11 (160 PSI), Add</i>	56.95	
33 11 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	233.68	19.00
<i>For DR 26 (65 PSI), Deduct</i>	-32.39	
<i>For DR 19 (89 PSI), Add</i>	15.90	
<i>For DR 17 (100 PSI), Add</i>	39.27	
<i>For DR 15.5 (110 PSI), Add</i>	57.50	
<i>For DR 13.5 (128 PSI), Add</i>	89.76	
<i>For DR 11 (160 PSI), Add</i>	144.47	
33 11 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	316.40	27.89
<i>For DR 26 (65 PSI), Deduct</i>	-42.68	
<i>For DR 19 (89 PSI), Add</i>	20.95	
<i>For DR 17 (100 PSI), Add</i>	51.73	
<i>For DR 15.5 (110 PSI), Add</i>	75.76	
<i>For DR 13.5 (128 PSI), Add</i>	118.25	
<i>For DR 11 (160 PSI), Add</i>	190.33	
33 11 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	443.28	41.84
<i>For DR 26 (65 PSI), Deduct</i>	-58.27	
<i>For DR 19 (89 PSI), Add</i>	28.61	
<i>For DR 17 (100 PSI), Add</i>	70.64	
<i>For DR 15.5 (110 PSI), Add</i>	103.44	
<i>For DR 13.5 (128 PSI), Add</i>	161.46	
<i>For DR 11 (160 PSI), Add</i>	259.88	
33 11 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	530.69	52.26
<i>For DR 26 (65 PSI), Deduct</i>	-68.55	
<i>For DR 19 (89 PSI), Add</i>	33.66	
<i>For DR 17 (100 PSI), Add</i>	83.10	
<i>For DR 15.5 (110 PSI), Add</i>	121.70	
<i>For DR 13.5 (128 PSI), Add</i>	189.95	
<i>For DR 11 (160 PSI), Add</i>	305.75	
33 11 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	679.27	78.35
<i>For DR 26 (65 PSI), Deduct</i>	-81.41	
<i>For DR 19 (89 PSI), Add</i>	39.97	
<i>For DR 17 (100 PSI), Add</i>	98.68	
<i>For DR 15.5 (110 PSI), Add</i>	144.52	
<i>For DR 13.5 (128 PSI), Add</i>	225.57	
<i>For DR 11 (160 PSI), Add</i>	363.07	
33 11 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	890.87	91.27
<i>For DR 26 (65 PSI), Deduct</i>	-113.11	
<i>For DR 19 (89 PSI), Add</i>	55.54	
<i>For DR 17 (100 PSI), Add</i>	137.12	
<i>For DR 15.5 (110 PSI), Add</i>	200.80	
<i>For DR 13.5 (128 PSI), Add</i>	313.43	
<i>For DR 11 (160 PSI), Add</i>	504.48	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0461	EA		20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,278.40	107.81
			<i>For DR 26 (65 PSI), Deduct</i>	-174.38	
			<i>For DR 19 (89 PSI), Add</i>	85.62	
			<i>For DR 17 (100 PSI), Add</i>	211.39	
			<i>For DR 15.5 (110 PSI), Add</i>	309.57	
			<i>For DR 13.5 (128 PSI), Add</i>	483.20	
			<i>For DR 11 (160 PSI), Add</i>	777.74	
33 11 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,677.35	130.68
			<i>For DR 26 (65 PSI), Deduct</i>	-235.65	
			<i>For DR 19 (89 PSI), Add</i>	115.71	
			<i>For DR 17 (100 PSI), Add</i>	285.66	
			<i>For DR 15.5 (110 PSI), Add</i>	418.34	
			<i>For DR 13.5 (128 PSI), Add</i>	652.97	
			<i>For DR 11 (160 PSI), Add</i>	1,050.99	
33 11 13 26			Galvanized Steel Public Water Utility Distribution Piping <small>(33 11 13)</small>		
			See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 11 13 36			Steel Public Water Utility Distribution Piping <small>(33 11 13)</small>		
33 11 13 36-0001			Steel Piping <small>(33 11 13 36)</small>		
33 11 13 36-0002			Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0001)</small>		
			Note: ASTM A252 steel pipe.		
33 11 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	43.77	20.32
			<i>For >1,000, Deduct</i>	-2.19	
33 11 13 36-0005	LF		8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	47.91	20.32
			<i>For >1,000, Deduct</i>	-2.40	
33 11 13 36-0006	LF		10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	49.85	22.16
			<i>For >1,000, Deduct</i>	-2.49	
33 11 13 36-0007	LF		10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	55.08	22.16
			<i>For >1,000, Deduct</i>	-2.75	
33 11 13 36-0008	LF		12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	56.33	23.23
			<i>For >1,000, Deduct</i>	-2.82	
33 11 13 36-0009	LF		12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	60.39	23.23
			<i>For >1,000, Deduct</i>	-3.02	
33 11 13 36-0010	LF		14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	85.83	25.67
			<i>For >1,000, Deduct</i>	-4.29	
33 11 13 36-0011	LF		14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	68.74	25.67
			<i>For >1,000, Deduct</i>	-3.44	
33 11 13 36-0012	LF		16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	69.35	27.09
			<i>For >1,000, Deduct</i>	-3.47	
33 11 13 36-0013	LF		16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	71.86	27.09
			<i>For >1,000, Deduct</i>	-3.59	
33 11 13 36-0014	LF		18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	82.48	30.48
			<i>For >1,000, Deduct</i>	-4.12	
33 11 13 36-0015	LF		20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	86.60	30.48
			<i>For >1,000, Deduct</i>	-4.33	
33 11 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 11 13 36-0002)</small>		
33 11 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	71.04	38.28
			<i>For >1,000, Deduct</i>	-3.55	
33 11 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	81.95	42.10
			<i>For >1,000, Deduct</i>	-4.10	
33 11 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	89.26	44.01
			<i>For >1,000, Deduct</i>	-4.46	
33 11 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	100.59	49.76
			<i>For >1,000, Deduct</i>	-5.03	
33 11 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	103.38	49.76
			<i>For >1,000, Deduct</i>	-5.17	
33 11 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	105.96	49.76
			<i>For >1,000, Deduct</i>	-5.30	
33 11 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	108.93	49.76
			<i>For >1,000, Deduct</i>	-5.45	
33 11 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	125.65	57.42
			<i>For >1,000, Deduct</i>	-6.28	
33 11 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	134.85	57.42
			<i>For >1,000, Deduct</i>	-6.74	
33 11 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	157.43	57.42
			<i>For >1,000, Deduct</i>	-7.87	
33 11 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	152.86	66.99
			<i>For >1,000, Deduct</i>	-7.64	
33 11 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	156.62	66.99
			<i>For >1,000, Deduct</i>	-7.83	
33 11 13 36-0029	LF		30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	192.11	66.99
			<i>For >1,000, Deduct</i>	-9.61	
33 11 13 36-0030	LF		36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	172.37	66.99
			<i>For >1,000, Deduct</i>	-8.62	
33 11 13 36-0031	LF		36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	203.50	80.38
			<i>For >1,000, Deduct</i>	-10.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	231.03	80.38
For >1,000, Deduct	-11.55	
33 11 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	224.15	80.38
For >1,000, Deduct	-11.21	
33 11 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	317.71	89.95
For >1,000, Deduct	-15.89	
33 11 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	219.55	89.95
For >1,000, Deduct	-10.98	
33 11 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	362.85	101.43
For >1,000, Deduct	-18.14	
33 11 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	387.41	114.83
For >1,000, Deduct	-19.37	
33 11 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	242.77	101.43
For >1,000, Deduct	-12.14	
33 11 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	418.77	114.83
For >1,000, Deduct	-20.94	
33 11 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	472.49	133.97
For >1,000, Deduct	-23.62	
33 11 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	361.00	133.97
For >1,000, Deduct	-18.05	
33 11 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	446.09	109.69
For >1,000, Deduct	-22.30	
33 11 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	697.87	109.69
For >1,000, Deduct	-34.89	
33 11 13 36-0044 Flexible Couplings (Dresser Style 38) (33 11 13 36-0001)		
33 11 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	97.28	20.23
33 11 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	138.75	38.90
33 11 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	184.61	51.35
33 11 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	296.57	77.80
33 11 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	390.24	98.03
33 11 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	545.22	120.13
33 11 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	644.60	150.57
33 11 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	694.50	150.57
33 11 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	733.01	160.18
33 11 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	804.54	184.21
33 11 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	877.79	208.24
33 11 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,118.72	220.25
33 11 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,349.35	240.28
33 11 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,586.27	270.31
33 11 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,835.22	304.35
33 11 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,134.50	350.40
33 11 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,363.39	400.46
33 11 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,707.84	500.57
33 11 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,112.40	608.70
33 11 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,708.10	720.82
33 11 13 39 Copper Public Water Utility Distribution Piping (33 11 13)		
33 11 13 39-0001 Type K Copper Water Distribution Piping (33 11 13 39)		
33 11 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe.....	5.18	1.50
33 11 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe.....	6.79	1.68
33 11 13 39-0004 LF 1" Type K Copper Water Distribution Pipe.....	8.70	1.87
33 11 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe.....	10.30	2.24
33 11 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe.....	12.94	2.99
33 11 13 39-0007 LF 2" Type K Copper Water Distribution Pipe.....	17.87	3.73
33 11 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe.....	25.89	4.48
33 11 13 39-0009 LF 3" Type K Copper Water Distribution Pipe.....	33.54	4.93
33 11 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe.....	44.38	6.20
33 11 13 39-0011 LF 4" Type K Copper Water Distribution Pipe.....	56.66	7.84
33 11 13 39-0012 LF 5" Type K Copper Water Distribution Pipe.....	125.31	9.79
33 11 13 39-0013 LF 6" Type K Copper Water Distribution Pipe.....	175.00	11.81
33 11 13 39-0014 LF 8" Type K Copper Water Distribution Pipe.....	308.55	13.22
33 11 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 11 13)		
33 11 13 43-0001 Pipe Coatings (33 11 13 43)		
33 11 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 11 13 43-0001)		
33 11 13 43-0003 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.11	
33 11 13 43-0004 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.46	
33 11 13 43-0005 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.22	
33 11 13 43-0006 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.54	
33 11 13 43-0007 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.05	
33 11 13 43-0008 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	8.21	
33 11 13 43-0009 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	10.78	
33 11 13 43-0010 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	17.03	
33 11 13 43-0011 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	36.71	
33 11 13 43-0012 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	41.95	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 11 13 43-0013	LF	54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	47.20
33 11 13 43-0014	LF	60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	52.44
33 11 13 43-0015	LF	66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	57.69
33 11 13 43-0016	LF	72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	62.90
33 11 13 43-0017	LF	78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	68.17

33 11 13 43-0018 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 11 13 43-0001)

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 11 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	6.43
33 11 13 43-0020	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	7.91
33 11 13 43-0021	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	9.89
33 11 13 43-0022	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	11.02
33 11 13 43-0023	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	12.44
33 11 13 43-0024	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	14.56
33 11 13 43-0025	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	16.55
33 11 13 43-0026	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	18.67
33 11 13 43-0027	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	20.75
33 11 13 43-0028	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	24.89
33 11 13 43-0029	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	31.11
33 11 13 43-0030	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	37.33
33 11 13 43-0031	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	25.10
33 11 13 43-0032	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	28.68
33 11 13 43-0033	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	32.27
33 11 13 43-0034	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	35.85
33 11 13 43-0035	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	39.44
33 11 13 43-0036	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	43.02
33 11 13 43-0037	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh..... Note: Reinforcing applied at fabrication shop.	46.61

33 11 13 43-0038 Pipe Lining (33 11 13 43)
33 11 13 43-0039 Cement Pipe Lining (33 11 13 43-0038)

Note: Shop applied.

33 11 13 43-0040	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	9.75
		<i>For 1/2" Thick, Add</i>	0.86
33 11 13 43-0041	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	12.10
		<i>For 1/2" Thick, Add</i>	1.06
33 11 13 43-0042	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	14.77
		<i>For 1/2" Thick, Add</i>	1.32
33 11 13 43-0043	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	19.15
		<i>For 1/2" Thick, Add</i>	1.65
33 11 13 43-0044	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	23.54
		<i>For 1/2" Thick, Add</i>	1.98
33 11 13 43-0045	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	30.02
		<i>For 1/2" Thick, Add</i>	2.32
33 11 13 43-0046	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	38.75
		<i>For 1/2" Thick, Add</i>	2.64
33 11 13 43-0047	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	46.24
		<i>For 1/2" Thick, Add</i>	2.53
33 11 13 43-0048	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	55.74
		<i>For 1/2" Thick, Add</i>	2.81
33 11 13 43-0049	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	67.56
		<i>For 1/2" Thick, Add</i>	3.37
33 11 13 43-0050	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	81.40
		<i>For 1/2" Thick, Add</i>	4.21
33 11 13 43-0051	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	97.93
		<i>For 1/2" Thick, Add</i>	5.06
33 11 13 43-0052	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	114.29
		<i>For 1/2" Thick, Add</i>	4.34
33 11 13 43-0053	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	130.57
		<i>For 1/2" Thick, Add</i>	4.96
33 11 13 43-0054	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	146.91
		<i>For 1/2" Thick, Add</i>	5.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 43-0055 LF 60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	163.25	
<i>For 1/2" Thick, Add</i>	6.20	
33 11 13 43-0056 LF 66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	179.53	
<i>For 1/2" Thick, Add</i>	3.64	
33 11 13 43-0057 LF 72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	195.88	
<i>For 1/2" Thick, Add</i>	3.97	
33 11 13 43-0058 LF 78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	212.22	
<i>For 1/2" Thick, Add</i>	4.30	
33 11 13 43-0059 Cement Fitting Lining (33 11 13 43-0038)		
Note: Shop applied.		
33 11 13 43-0060 EA 4" Outside Diameter, 1/4" Thick Cement Fitting Lining	9.75	
<i>For 1/2" Thick, Add</i>	0.86	
33 11 13 43-0061 EA 6" Outside Diameter, 1/4" Thick Cement Fitting Lining	12.10	
<i>For 1/2" Thick, Add</i>	1.06	
33 11 13 43-0062 EA 8" Outside Diameter, 1/4" Thick Cement Fitting Lining	18.80	
<i>For 1/2" Thick, Add</i>	1.71	
33 11 13 43-0063 EA 10" Outside Diameter, 1/4" Thick Cement Fitting Lining	30.92	
<i>For 1/2" Thick, Add</i>	2.64	
33 11 13 43-0064 EA 12" Outside Diameter, 1/4" Thick Cement Fitting Lining	47.11	
<i>For 1/2" Thick, Add</i>	3.97	
33 11 13 43-0065 EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining	69.65	
<i>For 1/2" Thick, Add</i>	5.34	
33 11 13 43-0066 EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining	102.46	
<i>For 1/2" Thick, Add</i>	6.85	
33 11 13 43-0067 EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining	138.73	
<i>For 1/2" Thick, Add</i>	7.59	
33 11 13 43-0068 EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining	185.70	
<i>For 1/2" Thick, Add</i>	9.36	
33 11 13 43-0069 EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining	270.27	
<i>For 1/2" Thick, Add</i>	13.48	
33 11 13 43-0070 8 Mil Polyethylene Encasement Tubing (33 11 13 43)		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 11 13 43-0071 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.58	
33 11 13 43-0072 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.98	
33 11 13 43-0073 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.25	
33 11 13 43-0074 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.59	
33 11 13 43-0075 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.24	
33 11 13 43-0076 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.90	
33 11 13 43-0077 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.68	
33 11 13 43-0078 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.40	
33 11 13 43-0079 LF 54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.51	
33 11 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 11 13)		
33 11 13 53-0001 Double Stud Stainless Steel Service Saddles (33 11 13 53)		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 11 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	203.76	
33 11 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	296.83	
33 11 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	305.48	
33 11 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	248.00	
33 11 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	315.97	
33 11 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	258.40	
33 11 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	330.43	
33 11 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	293.28	
33 11 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	348.01	
33 11 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	305.23	
33 11 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	358.32	
33 11 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 11 13 53)		
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 11 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	163.11	
33 11 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	163.24	
33 11 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	173.58	
33 11 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	166.52	
33 11 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	178.27	
33 11 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	198.73	
33 11 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	211.54	
33 11 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	192.28	
33 11 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	212.93	
33 11 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	223.54	
33 11 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	202.73	
33 11 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	224.10	
33 11 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.66	
33 11 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	213.62	
33 11 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.31	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	244.71	
33 11 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	377.13	
33 11 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	385.78	
33 11 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	232.58	
33 11 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	258.03	
33 11 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	267.52	
33 11 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	450.89	
33 11 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	263.38	
33 11 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	294.34	
33 11 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	507.34	
33 11 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	288.33	
33 11 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	321.21	
33 11 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	332.33	
33 11 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	570.29	
33 11 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	342.24	
33 11 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	367.53	
33 11 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	397.54	
33 11 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	711.46	
33 11 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	350.89	
33 11 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	404.47	
33 11 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	421.38	
33 11 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	766.83	
33 11 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	366.80	
33 11 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	422.42	
33 11 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	439.84	
33 11 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	798.29	
33 11 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	409.55	
33 11 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	477.92	
33 11 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	472.34	
33 11 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	524.76	
33 11 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	493.72	
33 11 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	560.80	

33 11 13 53-0061 Double Bale Bronze Service Saddles (33 11 13 53)

33 11 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	233.69	
33 11 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	256.75	
33 11 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	266.37	
33 11 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	289.66	
33 11 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	299.31	
33 11 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	314.61	
33 11 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	286.68	
33 11 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	305.63	
33 11 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	373.49	
33 11 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	405.58	
33 11 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	583.15	
33 11 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	484.95	
33 11 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	681.87	
33 11 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	555.71	

33 11 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 11 13 53)

Note: Taps are compression or NPT.

33 11 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	247.38	
33 11 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	274.03	
33 11 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	282.55	
33 11 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	308.15	
33 11 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	319.31	
33 11 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	335.69	
33 11 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	362.92	
33 11 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	389.40	
33 11 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	391.83	
33 11 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	426.27	
33 11 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	628.57	
33 11 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	517.77	
33 11 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	735.76	
33 11 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	594.83	

33 11 13 53-0091 Ductile Iron Mechanical Joint Tapping Sleeve (33 11 13 53)

33 11 13 53-0092	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,155.90	
33 11 13 53-0093	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,393.07	
33 11 13 53-0094	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,671.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0095 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,773.52	
33 11 13 53-0096 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,765.96	
33 11 13 53-0097 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,910.85	
33 11 13 53-0098 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,970.59	
33 11 13 53-0099 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,895.69	
33 11 13 53-0100 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,039.98	
33 11 13 53-0101 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,397.67	
33 11 13 53-0102 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,485.31	
33 11 13 53-0103 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	5,969.28	
33 11 13 53-0104 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,132.88	
33 11 13 53-0105 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,204.11	
33 11 13 53-0106 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,232.33	
33 11 13 53-0107 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,461.87	
33 11 13 53-0108 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,444.90	
33 11 13 53-0109 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,462.21	
33 11 13 53-0110 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,645.52	
33 11 13 53-0111 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,685.52	
33 11 13 53-0112 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,729.96	
33 11 13 53-0113 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,472.78	
33 11 13 53-0114 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,055.82	
33 11 13 53-0115 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,035.38	
33 11 13 53-0116 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,454.64	
33 11 13 53-0117 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,561.29	
33 11 13 53-0118 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,896.89	
33 11 13 53-0119 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,390.17	
33 11 13 53-0120 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,064.23	
33 11 13 53-0121 EA 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,221.52	
33 11 13 53-0122 EA 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,280.38	
33 11 13 53-0123 EA 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,590.36	
33 11 13 53-0124 EA 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,746.41	
33 11 13 53-0125 EA 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,965.42	
33 11 13 53-0126 EA 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,166.93	
33 11 13 53-0127 EA 24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,304.54	
33 11 13 53-0128 EA 24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,342.19	
33 11 13 53-0129 EA 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,484.13	
33 11 13 53-0130 EA 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,667.78	
33 11 13 53-0131 EA 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	14,702.37	
33 11 13 53-0132 EA 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	15,109.57	
33 11 13 53-0133 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	15,298.57	
33 11 13 53-0134 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 11 13 53)</small>		
33 11 13 53-0135 EA 4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	954.73	
33 11 13 53-0136 EA 6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,002.65	
33 11 13 53-0137 EA 6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,102.51	
33 11 13 53-0138 EA 8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,125.15	
33 11 13 53-0139 EA 8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,172.71	
33 11 13 53-0140 EA 8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,363.06	
33 11 13 53-0141 EA 10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,222.82	
33 11 13 53-0142 EA 10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,269.00	
33 11 13 53-0143 EA 10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,435.78	
33 11 13 53-0144 EA 10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,040.09	
33 11 13 53-0145 EA 12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,367.39	
33 11 13 53-0146 EA 12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,437.20	
33 11 13 53-0147 EA 12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,601.27	
33 11 13 53-0148 EA 12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,142.16	
33 11 13 53-0149 EA 12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,349.00	
33 11 13 53-0150 EA 14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,827.35	
33 11 13 53-0151 EA 14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,884.33	
33 11 13 53-0152 EA 14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,241.50	
33 11 13 53-0153 EA 14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,685.37	
33 11 13 53-0154 EA 14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,972.45	
33 11 13 53-0155 EA 16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,182.18	
33 11 13 53-0156 EA 16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,241.14	
33 11 13 53-0157 EA 16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,476.08	
33 11 13 53-0158 EA 16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,112.87	
33 11 13 53-0159 EA 16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,259.95	
33 11 13 53-0160 EA 18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,292.42	
33 11 13 53-0161 EA 18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,402.87	
33 11 13 53-0162 EA 18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,558.06	
33 11 13 53-0163 EA 18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,308.17	
33 11 13 53-0164 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,455.08	
33 11 13 53-0165 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,786.94	
33 11 13 53-0166 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,845.77	
33 11 13 53-0167 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,199.59	
33 11 13 53-0168 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,800.95	
33 11 13 53-0169 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,053.54	
33 11 13 53-0170 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,996.34	
33 11 13 53-0171 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,130.59	
33 11 13 53-0172 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,313.46	
33 11 13 53-0173 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,168.86	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 11 13 53-0174	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,322.23	
33 11 13 53-0175 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 11 13 53)				
33 11 13 53-0176	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,119.32	
33 11 13 53-0177	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,210.53	
33 11 13 53-0178	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,283.65	
33 11 13 53-0179	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,299.03	
33 11 13 53-0180	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,383.95	
33 11 13 53-0181	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,646.45	
33 11 13 53-0182	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,492.02	
33 11 13 53-0183	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,586.66	
33 11 13 53-0184	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,821.46	
33 11 13 53-0185	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,504.71	
33 11 13 53-0186	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,697.87	
33 11 13 53-0187	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,828.50	
33 11 13 53-0188	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,140.14	
33 11 13 53-0189	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,547.51	
33 11 13 53-0190	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,857.91	
33 11 13 53-0191	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,936.24	
33 11 13 53-0192	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,097.48	
33 11 13 53-0193	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,448.95	
33 11 13 53-0194	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,856.72	
33 11 13 53-0195	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,070.29	
33 11 13 53-0196	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,379.98	
33 11 13 53-0197	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,602.03	
33 11 13 53-0198	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,770.19	
33 11 13 53-0199	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,208.98	
33 11 13 53-0200	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,505.19	
33 11 13 53-0201	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,611.70	
33 11 13 53-0202	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,945.79	
33 11 13 53-0203	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,121.48	
33 11 13 53-0204	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,506.51	
33 11 13 53-0205	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,017.37	
33 11 13 53-0206	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,805.79	
33 11 13 53-0207	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,139.03	
33 11 13 53-0208	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,280.93	
33 11 13 53-0209	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,001.30	
33 11 13 53-0210	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,400.28	
33 11 13 53-0211	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,344.54	
33 11 13 53-0212	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,388.11	
33 11 13 53-0213	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,559.18	
33 11 13 53-0214	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,419.92	
33 11 13 53-0215	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,877.22	
33 11 13 53-0216 Ductile Iron Body, Flanged Coupling Adapter (33 11 13 53)				
33 11 13 53-0217	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	280.88	45.32
33 11 13 53-0218	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	351.77	57.13
33 11 13 53-0219	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	460.95	78.81
33 11 13 53-0220	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	601.55	92.60
33 11 13 53-0221	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	962.54	104.42
33 11 13 53-0222	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,074.63	118.21
33 11 13 53-0223 Steel Body, Flanged Coupling Adapter (33 11 13 53)				
33 11 13 53-0224	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	418.94	45.32
33 11 13 53-0225	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	493.83	57.13
33 11 13 53-0226	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	658.27	78.81
33 11 13 53-0227	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	806.92	92.60
33 11 13 53-0228	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	988.89	104.42
33 11 13 53-0229	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,153.85	118.21
33 11 13 53-0230	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,375.41	130.03
33 11 13 53-0231	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,634.26	141.86
33 11 13 53-0232	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,935.02	156.04
33 11 13 53-0233	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,292.21	171.65
33 11 13 53-0234 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 11 13 53)				
33 11 13 53-0235	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	361.01	57.13
33 11 13 53-0236	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	483.74	78.81
33 11 13 53-0237	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	533.35	92.60
33 11 13 53-0238	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	792.03	104.42
33 11 13 53-0239	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,015.19	118.21
33 11 13 53-0240	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,139.74	130.03
33 11 13 53-0241	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,344.51	141.86
33 11 13 53-0242	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,510.22	156.04
33 11 13 53-0243	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,821.84	171.65
33 11 13 53-0244	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,202.43	188.83
33 11 13 53-0245	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,667.44	207.67



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0246 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	6,321.47	228.47
33 11 13 53-0247 Ductile Iron Body, Omni Coupling System (33 11 13 53)		
33 11 13 53-0248 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	122.23	31.52
33 11 13 53-0249 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	151.38	37.44
33 11 13 53-0250 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	187.85	45.32
33 11 13 53-0251 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	235.81	57.13
33 11 13 53-0252 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	313.50	78.81
33 11 13 53-0253 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	382.26	92.60
33 11 13 53-0254 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	482.41	104.42
33 11 13 53-0255 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	565.85	118.21
33 11 13 53-0256 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	811.15	130.03
33 11 13 53-0257 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,020.68	141.86
33 12 Water Utility Distribution Equipment (33 10)		
33 12 13 Water Service Connections (33 12)		
33 12 13 23 Water Service Hydrants (33 12 13)		
33 12 13 23-0001 Yard Hydrants (33 12 13 23)		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0002 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	175.44	25.35
33 12 13 23-0003 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	185.42	25.35
33 12 13 23-0004 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	195.41	25.35
33 12 13 23-0005 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	224.68	32.12
33 12 13 23-0006 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	234.83	32.12
33 12 13 23-0007 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	244.97	32.12
33 12 13 23-0008 Sanitary Yard Hydrants (33 12 13 23)		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0009 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	664.17	52.82
33 12 13 23-0010 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	695.36	52.82
33 12 13 23-0011 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	726.56	52.82
33 12 13 23-0012 Flushing Hydrants (33 12 13 23)		
33 12 13 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	465.10	32.64
33 12 16 Water Utility Distribution Valves (33 12)		
Note: Flanged valves excludes bolt and gasket set.		
33 12 16 00-0001 Accessories For Valves (33 12 16)		
33 12 16 00-0002 EA 1' Valve Extension Stem.....	70.59	
For Each Additional LF, Add 4.88		
33 12 16 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	871.91	77.80
Note: Excludes valve.		
33 12 16 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	987.50	85.58
Note: Excludes valve.		
33 12 16 00-0005 EA Adjust Water Valve Box To Grade.....	77.80	
33 12 16 00-0006 Roadway Or Curb Valve Boxes (33 12 16)		
33 12 16 00-0007 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 12 16 00-0006)		
33 12 16 00-0008 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	131.37	10.27
Note: Includes cover, top section and bottom section.		
33 12 16 00-0009 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	151.38	10.27
Note: Includes cover, top section and bottom section.		
33 12 16 00-0010 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	152.30	10.27
Note: Includes cover, top section and bottom section.		
33 12 16 00-0011 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	41.03	5.14
33 12 16 00-0012 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	46.32	5.14
33 12 16 00-0013 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	54.29	5.14
33 12 16 00-0014 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	196.12	12.84
Note: Includes cover, top section and bottom section.		
33 12 16 00-0015 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	336.47	17.97
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0016 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	373.79	17.97
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0017 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	203.52	12.84
Note: Includes cover, top section and bottom section.		
33 12 16 00-0018 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	212.43	12.84
Note: Includes cover, top section and bottom section.		
33 12 16 00-0019 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	205.62	12.84
Note: Includes cover, top section and bottom section.		
33 12 16 00-0020 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	74.89	5.14
33 12 16 00-0021 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	130.01	21.13
33 12 16 00-0022 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	134.06	21.97

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0023 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	149.08	22.82
33 12 16 00-0024 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	200.38	24.09
33 12 16 00-0025 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	240.26	25.35
33 12 16 00-0026 EA 18" Cast Iron Service Box Extension Section.....	55.43	
33 12 16 00-0027 Plastic Roadway Grade Water Meter Box And Cover (33 12 16 00-0006)		
33 12 16 00-0028 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	172.09	29.58
33 12 16 00-0029 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	128.75	21.13
33 12 16 00-0030 EA Cast Iron Lid For Plastic Meter Box.....	37.14	
33 12 16 00-0031 Traffic Valve Box And Lid (33 12 16 00-0006)		
33 12 16 00-0032 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	128.74	
33 12 16 00-0033 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	383.77	
33 12 16 00-0034 Roadway Utility Box (33 12 16)		
33 12 16 00-0035 Utility Box (33 12 16 00-0034) Note: Christy Concrete Products.		
33 12 16 00-0036 B3 Utility Box, 9-3/8" x 15-1/2" (33 12 16 00-0035)		
33 12 16 00-0037 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....	62.04	38.65
33 12 16 00-0038 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....	47.35	4.29
33 12 16 00-0039 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....	22.23	4.29
33 12 16 00-0040 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	98.44	4.29
33 12 16 00-0041 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....	34.01	8.59
33 12 16 00-0042 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....	45.11	8.59
33 12 16 00-0043 B9 Utility Box, 10-1/4" x 17-1/4" (33 12 16 00-0035)		
33 12 16 00-0044 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....	77.58	51.53
33 12 16 00-0045 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	55.59	5.15
33 12 16 00-0046 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....	25.05	5.15
33 12 16 00-0047 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	103.06	4.29
33 12 16 00-0048 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	37.06	8.59
33 12 16 00-0049 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....	51.02	12.88
33 12 16 00-0050 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	68.84	23.61
33 12 16 00-0051 B12 Utility Box, 12" x 20" (33 12 16 00-0035)		
33 12 16 00-0052 EA 12" x 20" Precast Concrete Utility Box.....	84.88	55.83
33 12 16 00-0053 EA Cast Iron Lid For 12" x 20" Utility Box.....	97.25	6.44
33 12 16 00-0054 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....	35.28	8.59
33 12 16 00-0055 EA Steel Checkered Plate Cover For 12" x 20" Utility Box	141.43	8.59
33 12 16 00-0056 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	89.02	30.07
33 12 16 00-0057 B16 Utility Box, 12" x 22-1/4" (33 12 16 00-0035)		
33 12 16 00-0058 EA 12" x 22-1/4" Precast Concrete Utility Box	98.21	65.27
33 12 16 00-0059 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....	111.20	8.59
33 12 16 00-0060 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	41.57	8.59
33 12 16 00-0061 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	142.18	8.59
33 12 16 00-0062 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	60.94	14.60
33 12 16 00-0063 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	90.07	30.07
33 12 16 00-0064 B30 Utility Box, 13-1/4" x 24" (33 12 16 00-0035)		
33 12 16 00-0065 EA 13-1/4" x 24" Precast Concrete Utility Box	117.63	77.29
33 12 16 00-0066 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box.....	58.19	13.74
33 12 16 00-0067 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box	176.32	11.16
33 12 16 00-0068 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box	60.94	14.60
33 12 16 00-0069 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box.....	95.03	24.04
33 12 16 00-0070 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	71.75	16.32
33 12 16 00-0071 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	116.40	38.65
33 12 16 00-0072 B36 Utility Box, 17-1/4" x 30" (33 12 16 00-0035)		
33 12 16 00-0073 EA 17-1/4" x 30" Precast Concrete Utility Box	152.18	97.91
33 12 16 00-0074 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box.....	96.03	23.61
33 12 16 00-0075 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box	223.36	16.32
33 12 16 00-0076 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box	96.18	30.92
33 12 16 00-0077 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box.....	144.77	34.36
33 12 16 00-0078 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box	153.63	49.82
33 12 16 00-0079 B40 Utility Box, 24-1/2" x 36" (33 12 16 00-0035)		
33 12 16 00-0080 EA 24-1/2" x 36" Precast Concrete Utility Box	289.13	151.16
33 12 16 00-0081 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	254.84	56.69



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 12 16 00-0082	EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	318.99	24.90
	33 12 16 00-0083	EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	215.27	53.25
	33 12 16 00-0084	EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	227.72	55.83
33 12 16 00-0085		B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 12 16 00-0035)</small>		
	33 12 16 00-0086	EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	383.48	171.77
	33 12 16 00-0087	EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	366.77	93.62
	33 12 16 00-0088	EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	438.00	93.62
	33 12 16 00-0089	EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	508.51	42.95
	33 12 16 00-0090	EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	351.44	115.95
	33 12 16 00-0091	EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	290.64	78.15
33 12 16 00-0092		Water Utility Distribution Valves <small>(33 12 16)</small>		
33 12 16 00-0093		Angle Valves <small>(33 12 16 00-0092)</small>		
		Note: For connecting meters to water service.		
33 12 16 00-0094		Threaded, Class 150, Bronze Angle Valve <small>(33 12 16 00-0093)</small>		
		Note: Nibco T-335Y		
	33 12 16 00-0095	EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	50.37	13.53
	33 12 16 00-0096	EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	67.92	18.17
	33 12 16 00-0097	EA 1" Threaded, Class 150, Bronze Angle Valve.....	88.87	22.40
	33 12 16 00-0098	EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	113.93	28.14
	33 12 16 00-0099	EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	139.46	32.54
	33 12 16 00-0100	EA 2" Threaded, Class 150, Bronze Angle Valve.....	197.50	38.04
	33 12 16 00-0101	EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	306.18	51.89
	33 12 16 00-0102	EA 3" Threaded, Class 150, Bronze Angle Valve.....	444.99	59.91
33 12 16 00-0103		Butterfly Valves <small>(33 12 16 00-0092)</small>		
33 12 16 00-0104		Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves <small>(33 12 16 00-0103)</small>		
	33 12 16 00-0105	EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,112.18	143.87
	33 12 16 00-0106	EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,269.75	143.87
	33 12 16 00-0107	EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,226.26	222.28
	33 12 16 00-0108	EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,383.83	222.28
	33 12 16 00-0109	EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,494.53	302.83
	33 12 16 00-0110	EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,652.10	302.83
	33 12 16 00-0111	EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,686.08	346.07
	33 12 16 00-0112	EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,844.65	346.07
	33 12 16 00-0113	EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16).....	2,210.97	423.95
	33 12 16 00-0114	EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,612.41	423.95
	33 12 16 00-0115	EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24).....	2,603.38	513.88
	33 12 16 00-0116	EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,931.56	513.88
	33 12 16 00-0117	EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12).....	3,389.15	666.38
	33 12 16 00-0118	EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	3,927.08	666.38
	33 12 16 00-0119	EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16).....	4,030.45	733.02
	33 12 16 00-0120	EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20).....	4,373.68	733.02

33 Utilities

33 10 Water Utilities

33 12 Water Utility Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0121 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD16)	5,013.40	814.45
33 12 16 00-0122 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20)	5,351.61	814.45
33 12 16 00-0123 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD30)	5,912.45	916.28
33 12 16 00-0124 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20)	6,129.23	916.28
33 12 16 00-0125 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30)	8,703.82	1,127.73
33 12 16 00-0126 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20)	8,920.60	1,127.73
33 12 16 00-0127 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MG-WR1-HD16)	19,893.44	1,894.15
33 12 16 00-0128 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16)	23,137.61	2,582.93
33 12 16 00-0129 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32)	29,861.55	3,788.30
33 12 16 00-0130 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24)	36,568.39	4,735.37
33 12 16 00-0131 Check Valves <small>(33 12 16 00-0092)</small>		
33 12 16 00-0132 Flanged, Swing Type Gravity Operated Check Valves <small>(33 12 16 00-0131)</small>		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 12 16 00-0133 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve	631.28	105.03
33 12 16 00-0134 EA 3" Flanged, Swing Type Gravity Operated Check Valve	674.86	124.48
33 12 16 00-0135 EA 4" Flanged, Swing Type Gravity Operated Check Valve	854.66	167.27
33 12 16 00-0136 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,178.25	190.61
33 12 16 00-0137 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,272.71	217.84
33 12 16 00-0138 EA 6" Flanged, Swing Type Gravity Operated Check Valve	1,174.83	194.50
33 12 16 00-0139 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,492.13	213.96
33 12 16 00-0140 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve	1,559.65	233.41
33 12 16 00-0141 EA 8" Flanged, Swing Type Gravity Operated Check Valve	1,617.01	233.41
33 12 16 00-0142 EA 10" Flanged, Swing Type Gravity Operated Check Valve	2,608.40	272.31
33 12 16 00-0143 EA 12" Flanged, Swing Type Gravity Operated Check Valve	3,884.09	326.77
33 12 16 00-0144 EA 14" Flanged, Swing Type Gravity Operated Check Valve	5,385.61	408.16
33 12 16 00-0145 EA 16" Flanged, Swing Type Gravity Operated Check Valve	7,109.14	458.14
33 12 16 00-0146 EA 18" Flanged, Swing Type Gravity Operated Check Valve	10,190.21	508.11
33 12 16 00-0147 EA 20" Flanged, Swing Type Gravity Operated Check Valve	11,847.06	572.67
33 12 16 00-0148 Combination Air Release Valves <small>(33 12 16 00-0092)</small>		
33 12 16 00-0149 EA 1" Combination Air Release Valve	422.36	16.33
33 12 16 00-0150 EA 2" Combination Air Release Valve	681.82	28.00
33 12 16 00-0151 Corporation Stop And Curb Valve <small>(33 12 16 00-0092)</small>		
Note: AWWA C800		
33 12 16 00-0152 Ball Corporation Valves <small>(33 12 16 00-0151)</small>		
Note: Mueller B-25000.		
33 12 16 00-0153 EA 3/4" Ball Corporation Valve	67.40	16.33
33 12 16 00-0154 EA 1" Ball Corporation Valve	84.82	20.23
33 12 16 00-0155 EA 1-1/2" Ball Corporation Valve	154.21	29.57
33 12 16 00-0156 EA 2" Ball Corporation Valve	235.51	35.01
33 12 16 00-0157 Gate Valve, AWWA C500 And C509 <small>(33 12 16 00-0092)</small>		
33 12 16 00-0158 Gate Valve, Flanged <small>(33 12 16 00-0157)</small>		
Note: Mueller A-2380-6.		
33 12 16 00-0159 EA 2" Gate Valve, Flanged	404.68	82.86
33 12 16 00-0160 EA 2-1/2" Gate Valve, Flanged	493.07	103.86
33 12 16 00-0161 EA 3" Gate Valve, Flanged	589.93	124.48
33 12 16 00-0162 EA 4" Gate Valve, Flanged	709.83	165.72
33 12 16 00-0163 EA 6" Gate Valve, Flanged	894.85	194.50
33 12 16 00-0164 EA 8" Gate Valve, Flanged	1,257.27	233.41
33 12 16 00-0165 EA 10" Gate Valve, Flanged	1,800.73	272.31
33 12 16 00-0166 EA 12" Gate Valve, Flanged	2,170.13	326.77
33 12 16 00-0167 EA 14" Gate Valve, Flanged	4,438.32	408.16
33 12 16 00-0168 EA 16" Gate Valve, Flanged	5,756.35	458.14
33 12 16 00-0169 EA 18" Gate Valve, Flanged	8,940.25	508.11



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0170	EA 20" Gate Valve, Flanged.....	10,660.25	572.67
33 12 16 00-0171	Resilient Wedge Gate Valve, Flanged <small>(33 12 16 00-0157)</small> Note: Mueller A-2360-6.		
33 12 16 00-0172	EA 2" Resilient Wedge Gate Valve, Flanged.....	391.17	82.86
33 12 16 00-0173	EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	476.91	103.86
33 12 16 00-0174	EA 3" Resilient Wedge Gate Valve, Flanged.....	570.76	125.65
33 12 16 00-0175	EA 4" Resilient Wedge Gate Valve, Flanged.....	688.41	165.72
33 12 16 00-0176	EA 6" Resilient Wedge Gate Valve, Flanged.....	866.21	194.50
33 12 16 00-0177	EA 8" Resilient Wedge Gate Valve, Flanged.....	1,212.53	233.41
33 12 16 00-0178	EA 10" Resilient Wedge Gate Valve, Flanged.....	1,729.64	272.31
33 12 16 00-0179	EA 12" Resilient Wedge Gate Valve, Flanged.....	2,084.29	326.77
33 12 16 00-0180	Gate Valve, Mechanical Joint <small>(33 12 16 00-0157)</small> Note: Mueller A-2380-20.		
33 12 16 00-0181	EA 2" Gate Valve, Mechanical Joint.....	438.35	82.86
33 12 16 00-0182	EA 2-1/2" Gate Valve, Mechanical Joint.....	487.57	103.86
33 12 16 00-0183	EA 3" Gate Valve, Mechanical Joint.....	608.27	125.65
33 12 16 00-0184	EA 4" Gate Valve, Mechanical Joint.....	739.74	165.72
33 12 16 00-0185	EA 6" Gate Valve, Mechanical Joint.....	917.54	194.50
33 12 16 00-0186	EA 8" Gate Valve, Mechanical Joint.....	1,289.06	233.41
33 12 16 00-0187	EA 10" Gate Valve, Mechanical Joint.....	1,822.43	272.31
33 12 16 00-0188	EA 12" Gate Valve, Mechanical Joint.....	2,268.65	326.77
33 12 16 00-0189	EA 14" Gate Valve, Mechanical Joint.....	4,707.02	408.16
33 12 16 00-0190	EA 16" Gate Valve, Mechanical Joint.....	6,031.61	458.14
33 12 16 00-0191	EA 18" Gate Valve, Mechanical Joint.....	9,431.84	508.11
33 12 16 00-0192	EA 20" Gate Valve, Mechanical Joint.....	11,192.24	572.67
33 12 16 00-0193	Resilient Wedge Gate Valve, Mechanical Joint <small>(33 12 16 00-0157)</small> Note: Mueller A-2360-20.		
33 12 16 00-0194	EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	422.92	82.86
33 12 16 00-0195	EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	588.06	125.65
33 12 16 00-0196	EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	716.63	165.72
33 12 16 00-0197	EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	887.63	194.50
33 12 16 00-0198	EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,242.52	233.41
33 12 16 00-0199	EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,750.10	272.31
33 12 16 00-0200	EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	2,177.21	326.77
33 12 16 00-0201	Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint <small>(33 12 16 00-0157)</small> Note: Mueller A-2361.		
33 12 16 00-0202	EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,301.44	408.16
33 12 16 00-0203	EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,697.41	458.14
33 12 16 00-0204	EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	7,205.93	508.11
33 12 16 00-0205	EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,579.02	572.67
33 12 16 00-0206	EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	12,047.97	666.38
33 12 16 00-0207	Gate Valve, Threaded, WW-V-51 Class A, Type 1 <small>(33 12 16 00-0157)</small> Note: NIBCO T-113.		
33 12 16 00-0208	EA 1/4" Gate Valve, Bronze, Threaded.....	33.93	13.61
33 12 16 00-0209	EA 3/8" Gate Valve, Bronze, Threaded.....	35.23	13.61
33 12 16 00-0210	EA 1/2" Gate Valve, Bronze, Threaded.....	35.71	13.61
33 12 16 00-0211	EA 3/4" Gate Valve, Bronze, Threaded.....	46.80	18.38
33 12 16 00-0212	EA 1" Gate Valve, Bronze, Threaded.....	57.29	22.22
33 12 16 00-0213	EA 1-1/4" Gate Valve, Bronze, Threaded.....	75.79	28.14
33 12 16 00-0214	EA 1-1/2" Gate Valve, Bronze, Threaded.....	87.75	32.54
33 12 16 00-0215	EA 2" Gate Valve, Bronze, Threaded.....	105.45	38.04
33 12 16 00-0216	EA 2-1/2" Gate Valve, Bronze, Threaded.....	180.76	51.89
33 12 16 00-0217	EA 3" Gate Valve, Bronze, Threaded.....	214.31	59.52
33 12 16 00-0218	Globe Valve, AWWA <small>(33 12 16 00-0092)</small>		
33 12 16 00-0219	Globe Valve, Threaded, WW-V-51 Class B, Type 1 <small>(33 12 16 00-0218)</small> Note: NIBCO T-235.		
33 12 16 00-0220	EA 1/8" Globe Valve, Threaded.....	44.16	13.61
33 12 16 00-0221	EA 1/4" Globe Valve, Threaded.....	41.55	13.61
33 12 16 00-0222	EA 3/8" Globe Valve, Threaded.....	42.85	13.61
33 12 16 00-0223	EA 1/2" Globe Valve, Threaded.....	44.16	13.61
33 12 16 00-0224	EA 3/4" Globe Valve, Threaded.....	59.87	18.38
33 12 16 00-0225	EA 1" Globe Valve, Threaded.....	80.40	22.22
33 12 16 00-0226	EA 1-1/4" Globe Valve, Threaded.....	113.14	28.14
33 12 16 00-0227	EA 1-1/2" Globe Valve, Threaded.....	133.94	32.54
33 12 16 00-0228	EA 2" Globe Valve, Threaded.....	179.48	38.04
33 12 16 00-0229	EA 2-1/2" Globe Valve, Threaded.....	311.28	51.89
33 12 16 00-0230	EA 3" Globe Valve, Threaded.....	414.89	59.83

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 12 16 00-0231	Tapping Valve, AWWA C500 And C509 (33 12 16 00-0092)		
33 12 16 00-0232	Tapping Valve, AWWA C500 And C509 (33 12 16 00-0231)		
	Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 12 16 00-0233	EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	575.53	103.86
33 12 16 00-0234	EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	726.06	125.65
33 12 16 00-0235	EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	841.33	165.72
33 12 16 00-0236	EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,095.79	194.50
33 12 16 00-0237	EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,514.98	233.41
33 12 16 00-0238	EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,113.91	272.31
33 12 16 00-0239	EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,051.98	326.77
33 12 16 00-0240	EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,345.40	408.16
33 12 16 00-0241	EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	6,716.86	458.14
33 12 16 00-0242	EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,643.40	508.95
33 12 19	Water Utility Distribution Fire Hydrants (33 12)		
33 12 19 00-0001	Fire Hydrants (33 12 19)		
	Note: Breakaway type.		
33 12 19 00-0002	Three Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001)		
	Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0003	EA 1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,746.12	211.98
33 12 19 00-0004	EA 2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,777.22	211.98
33 12 19 00-0005	EA 2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,808.40	211.98
33 12 19 00-0006	EA 3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,854.57	227.12
33 12 19 00-0007	EA 3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,885.70	227.12
33 12 19 00-0008	EA 4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,935.78	246.04
33 12 19 00-0009	EA 4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,966.86	246.04
33 12 19 00-0010	EA 5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,016.96	264.97
33 12 19 00-0011	EA 5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,048.09	264.97
33 12 19 00-0012	EA 6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,098.10	283.90
33 12 19 00-0013	EA 6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,148.15	302.83
33 12 19 00-0014	EA 7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,217.07	340.68
33 12 19 00-0015	EA 1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,774.50	211.98
33 12 19 00-0016	EA 2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,814.86	211.98
33 12 19 00-0017	EA 2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,855.12	211.98
33 12 19 00-0018	EA 3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,910.52	227.12
33 12 19 00-0019	EA 3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,950.78	227.12
33 12 19 00-0020	EA 4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,010.11	246.04
33 12 19 00-0021	EA 4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,050.32	246.04
33 12 19 00-0022	EA 5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,109.55	264.97
33 12 19 00-0023	EA 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,149.80	264.97
33 12 19 00-0024	EA 6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,208.92	283.90
33 12 19 00-0025	EA 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,268.21	302.83
33 12 19 00-0026	EA 7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,346.25	340.68
33 12 19 00-0027	Two Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001)		
	Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0028	EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,575.41	211.98
33 12 19 00-0029	EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,606.40	211.98
33 12 19 00-0030	EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,637.57	211.98
33 12 19 00-0031	EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,683.87	227.12
33 12 19 00-0032	EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,714.90	227.12
33 12 19 00-0033	EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,764.91	246.04
33 12 19 00-0034	EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,796.04	246.04
33 12 19 00-0035	EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,846.17	264.97
33 12 19 00-0036	EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,877.23	264.97
33 12 19 00-0037	EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,927.41	283.90
33 12 19 00-0038	EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,977.26	302.83
33 12 19 00-0039	EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,046.25	340.68
33 12 19 00-0040	EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,619.25	211.98
33 12 19 00-0041	EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,659.52	211.98
33 12 19 00-0042	EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,699.73	211.98
33 12 19 00-0043	EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,755.23	227.12
33 12 19 00-0044	EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,795.39	227.12
33 12 19 00-0045	EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,854.65	246.04
33 12 19 00-0046	EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,894.83	246.04
33 12 19 00-0047	EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,954.19	264.97
33 12 19 00-0048	EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,994.35	264.97
33 12 19 00-0049	EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,053.61	283.90
33 12 19 00-0050	EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,112.70	302.83
33 12 19 00-0051	EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,190.96	340.68
33 12 19 00-0052	Three Way, Modern Model Fire Hydrant (33 12 19 00-0001)		
	Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0053	EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,818.70	211.98
33 12 19 00-0054	EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,858.91	211.98
33 12 19 00-0055	EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,899.24	211.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0056 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,954.66	227.12
33 12 19 00-0057 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,994.90	227.12
33 12 19 00-0058 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,054.08	246.04
33 12 19 00-0059 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,094.37	246.04
33 12 19 00-0060 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,153.57	264.97
33 12 19 00-0061 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,193.82	264.97
33 12 19 00-0062 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,253.01	264.97
33 12 19 00-0063 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,312.32	302.83
33 12 19 00-0064 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,389.94	302.83
33 12 19 00-0065 Two Way, Modern Model Fire Hydrant (33 12 19 00-0001)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0066 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,314.51	211.98
33 12 19 00-0067 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,345.11	211.98
33 12 19 00-0068 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,376.05	211.98
33 12 19 00-0069 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,421.43	227.12
33 12 19 00-0070 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,452.02	227.12
33 12 19 00-0071 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,501.53	246.04
33 12 19 00-0072 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,532.11	246.04
33 12 19 00-0073 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,581.67	264.97
33 12 19 00-0074 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,612.17	264.97
33 12 19 00-0075 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,661.70	283.90
33 12 19 00-0076 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,711.26	302.83
33 12 19 00-0077 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant.....	1,779.32	340.68
33 12 19 00-0078 Safetop Model With Breakable Section (33 12 19 00-0001)		
Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0079 EA 4" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	2,026.47	302.83
33 12 19 00-0080 EA 6" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	2,110.64	302.83
33 12 19 00-0081 EA 8" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	2,240.42	302.83
33 12 19 00-0082 Fire Hydrant Extension Kits (33 12 19 00-0001)		
33 12 19 00-0083 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	284.81	18.93
33 12 19 00-0084 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	340.01	23.66
33 12 19 00-0085 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	374.37	28.39
33 12 19 00-0086 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	429.27	35.01
33 12 19 00-0087 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	625.82	36.44
33 12 19 00-0088 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	666.97	37.85
33 12 19 00-0089 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	678.91	39.75
33 12 19 00-0090 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	717.90	42.59
33 12 19 00-0091 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	797.12	51.10
33 12 19 00-0092 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	851.51	61.51
33 12 19 00-0093 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	316.52	21.19
33 12 19 00-0094 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	376.80	25.74
33 12 19 00-0095 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	434.09	31.04
33 12 19 00-0096 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	490.32	38.61
33 12 19 00-0097 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	654.01	40.13
33 12 19 00-0098 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	695.79	41.64
33 12 19 00-0099 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	725.97	43.91
33 12 19 00-0100 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	843.42	46.94
33 12 19 00-0101 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	930.84	56.02
33 12 19 00-0102 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	989.91	67.38
33 12 19 00-0103 Remove And Reinstall Standard Fire Hydrant (33 12 19 00-0001)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 12 19 00-0104 EA Up To 5' Burial Section, Remove And Reinstall Fire Hydrant.....	605.64	
33 12 19 00-0105 EA >5' Burial Section, Remove And Reinstall Fire Hydrant.....	883.24	
33 12 19 00-0106 EA Reset Fire Hydrant Upper Barrel.....	746.06	
Note: Includes Safety Repair Kit		
33 12 33 Water Utility Metering (33 12)		
33 12 33 00-0001 Bronze Disk Type Water Service Meters (33 12 33)		
33 12 33 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	137.32	43.96
33 12 33 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	171.12	52.40
33 12 33 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	224.77	60.01
33 12 33 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	424.18	89.59
33 12 33 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	572.63	116.64
33 12 33 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 12 33)		
33 12 33 00-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	303.82	43.96
<i>For Owner Furnished Material, Deduct</i>		
	-259.33	
33 12 33 00-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	347.00	52.40
<i>For Owner Furnished Material, Deduct</i>		
	-294.18	

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 33 00-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	511.75	60.01
<i>For Owner Furnished Material, Deduct</i>	-451.38	
33 12 33 00-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	862.76	89.59
<i>For Owner Furnished Material, Deduct</i>	-772.85	
33 12 33 00-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,069.77	116.64
<i>For Owner Furnished Material, Deduct</i>	-952.38	
33 12 33 00-0013 EA Electronic Transmitter	242.13	21.13
Note: For use with transmitting meter valve.		
<i>For Owner Furnished Material, Deduct</i>	-221.00	
33 12 33 00-0014 Flanged Compound Type Water Service Meter <small>(33 12 33)</small>		
33 12 33 00-0015 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,659.04	136.08
33 12 33 00-0016 EA 2" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	2,028.39	180.74
33 12 33 00-0017 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,271.38	250.52
33 12 33 00-0018 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,624.13	370.34
33 12 33 00-0019 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,217.28	486.27
33 12 33 00-0020 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,505.66	589.35
33 12 33 00-0021 Flanged Turbine Water Service Meter <small>(33 12 33)</small>		
33 12 33 00-0022 Vertical Turbine Meters <small>(33 12 33 00-0021)</small>		
33 12 33 00-0023 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	483.22	107.37
33 12 33 00-0024 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	661.56	136.08
33 12 33 00-0025 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,140.73	222.60
33 12 33 00-0026 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,652.37	308.25
33 12 33 00-0027 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	3,038.70	453.66
33 12 33 00-0028 Horizontal Turbine Meters <small>(33 12 33 00-0021)</small>		
33 12 33 00-0029 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	688.67	107.37
33 12 33 00-0030 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	954.86	136.08
33 12 33 00-0031 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,258.32	222.60
33 12 33 00-0032 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	1,807.80	308.25
33 12 33 00-0033 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	3,605.02	453.66
33 12 33 00-0034 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	4,825.93	595.43
33 12 33 00-0035 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	6,631.17	721.69
33 12 33 00-0036 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	7,820.56	879.17
33 13 Disinfecting of Water Utility Distribution <small>(33 10)</small>		
33 13 00 00-0001 Water Main Disinfection/Sterilization <small>(33 13)</small>		
Note: Gas chlorination. Continuous or plug method.		
33 13 00 00-0002 EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....	768.72	
33 13 00 00-0003 EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	384.36	
33 13 00 00-0004 LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.29	
<i>For >250 To 500, Deduct</i>	-0.01	
<i>For >500 To 1,000, Deduct</i>	-0.03	
<i>For >1,000 To 2,000, Deduct</i>	-0.04	
<i>For >2,000 To 5,000, Deduct</i>	-0.06	
<i>For >5,000, Deduct</i>	-0.07	
33 13 00 00-0005 LF 6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.44	
<i>For >250 To 500, Deduct</i>	-0.02	
<i>For >500 To 1,000, Deduct</i>	-0.04	
<i>For >1,000 To 2,000, Deduct</i>	-0.07	
<i>For >2,000 To 5,000, Deduct</i>	-0.09	
<i>For >5,000, Deduct</i>	-0.11	
33 13 00 00-0006 LF 8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.57	
<i>For >250 To 500, Deduct</i>	-0.03	
<i>For >500 To 1,000, Deduct</i>	-0.06	
<i>For >1,000 To 2,000, Deduct</i>	-0.09	
<i>For >2,000 To 5,000, Deduct</i>	-0.11	
<i>For >5,000, Deduct</i>	-0.14	
33 13 00 00-0007 LF 10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.68	
<i>For >250 To 500, Deduct</i>	-0.03	
<i>For >500 To 1,000, Deduct</i>	-0.07	
<i>For >1,000 To 2,000, Deduct</i>	-0.10	
<i>For >2,000 To 5,000, Deduct</i>	-0.14	
<i>For >5,000, Deduct</i>	-0.17	
33 13 00 00-0008 LF 12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.89	
<i>For >250 To 500, Deduct</i>	-0.04	
<i>For >500 To 1,000, Deduct</i>	-0.09	
<i>For >1,000 To 2,000, Deduct</i>	-0.13	
<i>For >2,000 To 5,000, Deduct</i>	-0.18	
<i>For >5,000, Deduct</i>	-0.22	
33 13 00 00-0009 LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.01	
<i>For >250 To 500, Deduct</i>	-0.05	
<i>For >500 To 1,000, Deduct</i>	-0.10	
<i>For >1,000 To 2,000, Deduct</i>	-0.15	
<i>For >2,000 To 5,000, Deduct</i>	-0.20	
<i>For >5,000, Deduct</i>	-0.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 13 00 00-0010 LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.16	
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.12	
<i>For >1,000 To 2,000, Deduct</i>	-0.17	
<i>For >2,000 To 5,000, Deduct</i>	-0.23	
<i>For >5,000, Deduct</i>	-0.29	
33 13 00 00-0011 LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.35	
<i>For >250 To 500, Deduct</i>	-0.07	
<i>For >500 To 1,000, Deduct</i>	-0.14	
<i>For >1,000 To 2,000, Deduct</i>	-0.20	
<i>For >2,000 To 5,000, Deduct</i>	-0.27	
<i>For >5,000, Deduct</i>	-0.34	
33 13 00 00-0012 LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.74	
<i>For >250 To 500, Deduct</i>	-0.09	
<i>For >500 To 1,000, Deduct</i>	-0.17	
<i>For >1,000 To 2,000, Deduct</i>	-0.26	
<i>For >2,000 To 5,000, Deduct</i>	-0.35	
<i>For >5,000, Deduct</i>	-0.44	
33 13 00 00-0013 LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.56	
<i>For >250 To 500, Deduct</i>	-0.13	
<i>For >500 To 1,000, Deduct</i>	-0.26	
<i>For >1,000 To 2,000, Deduct</i>	-0.38	
<i>For >2,000 To 5,000, Deduct</i>	-0.51	
<i>For >5,000, Deduct</i>	-0.64	
33 13 00 00-0014 LF >60" Diameter Pipe Water Main Disinfection/Sterilization.....	3.55	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.36	
<i>For >1,000 To 2,000, Deduct</i>	-0.53	
<i>For >2,000 To 5,000, Deduct</i>	-0.71	
<i>For >5,000, Deduct</i>	-0.89	

33 20 Wells ⁽³³⁾

33 21 Water Supply Wells ^(33 20)

33 21 13 Public Water Supply Wells ^(33 21)

33 21 13 00-0001 Drill And Test Water Well ^(33 21 13)

33 21 13 00-0002 Drill Hole ^(33 21 13 00-0001)
 Note: Excludes loading and hauling of spoils.

33 21 13 00-0003 Mobilization And Demobilization ^(33 21 13 00-0002)

33 21 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	711.06
33 21 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	883.77
33 21 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,325.66

33 21 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. ^(33 21 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 21 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.13
		<i>For >100 To 250, Add</i>	0.43
		<i>For >250 To 400, Add</i>	0.86
		<i>For >400 To 600, Add</i>	1.28
		<i>For >600 To 750, Add</i>	1.71
		<i>For >750, Add</i>	2.14
33 21 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.32
		<i>For >100 To 250, Add</i>	0.51
		<i>For >250 To 400, Add</i>	1.02
		<i>For >400 To 600, Add</i>	1.52
		<i>For >600 To 750, Add</i>	2.03
		<i>For >750, Add</i>	2.54
33 21 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.18
		<i>For >100 To 250, Add</i>	0.68
		<i>For >250 To 400, Add</i>	1.36
		<i>For >400 To 600, Add</i>	2.04
		<i>For >600 To 750, Add</i>	2.72
		<i>For >750, Add</i>	3.40
33 21 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	42.54
		<i>For >100 To 250, Add</i>	1.06
		<i>For >250 To 400, Add</i>	2.13
		<i>For >400 To 600, Add</i>	3.19
		<i>For >600 To 750, Add</i>	4.25
		<i>For >750, Add</i>	5.32
33 21 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	61.20
		<i>For >100 To 250, Add</i>	1.53
		<i>For >250 To 400, Add</i>	3.06
		<i>For >400 To 600, Add</i>	4.59
		<i>For >600 To 750, Add</i>	6.12
		<i>For >750, Add</i>	7.65

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21	13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	79.99	
			For >100 To 250, Add	2.00	
			For >250 To 400, Add	4.00	
			For >400 To 600, Add	6.00	
			For >600 To 750, Add	8.00	
			For >750, Add	10.00	
33 21	13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	95.01	
			For >100 To 250, Add	2.38	
			For >250 To 400, Add	4.75	
			For >400 To 600, Add	7.13	
			For >600 To 750, Add	9.50	
			For >750, Add	11.88	
33 21	13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	110.47	
			For >100 To 250, Add	2.76	
			For >250 To 400, Add	5.52	
			For >400 To 600, Add	8.29	
			For >600 To 750, Add	11.05	
			For >750, Add	13.81	
33 21	13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	129.80	
			For >100 To 250, Add	3.25	
			For >250 To 400, Add	6.49	
			For >400 To 600, Add	9.74	
			For >600 To 750, Add	12.98	
			For >750, Add	16.23	
33 21	13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	153.01	
			For >100 To 250, Add	3.83	
			For >250 To 400, Add	7.65	
			For >400 To 600, Add	11.48	
			For >600 To 750, Add	15.30	
			For >750, Add	19.13	
33 21	13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	165.37	
			For >100 To 250, Add	4.13	
			For >250 To 400, Add	8.27	
			For >400 To 600, Add	12.40	
			For >600 To 750, Add	16.54	
			For >750, Add	20.67	
33 21	13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	181.95	
			For >100 To 250, Add	4.55	
			For >250 To 400, Add	9.10	
			For >400 To 600, Add	13.65	
			For >600 To 750, Add	18.20	
			For >750, Add	22.74	
33 21	13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	199.29	
			For >100 To 250, Add	4.98	
			For >250 To 400, Add	9.96	
			For >400 To 600, Add	14.95	
			For >600 To 750, Add	19.93	
			For >750, Add	24.91	
33 21	13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	247.89	
			For >100 To 250, Add	6.20	
			For >250 To 400, Add	12.39	
			For >400 To 600, Add	18.59	
			For >600 To 750, Add	24.79	
			For >750, Add	30.99	
33 21	13 00-0022		Drill Hole In Sedimentary Rock <small>(33 21 13 00-0002)</small>	34.91	
		LF	6" Water Well Hole Drilled In Sedimentary Rock.....	0.87	
			For >100 To 250, Add	1.75	
			For >250 To 400, Add	2.62	
			For >400 To 600, Add	3.49	
			For >600 To 750, Add	4.36	
			For >750, Add	4.36	
33 21	13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock.....	40.66	
			For >100 To 250, Add	1.02	
			For >250 To 400, Add	2.03	
			For >400 To 600, Add	3.05	
			For >600 To 750, Add	4.07	
			For >750, Add	5.08	
33 21	13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock.....	65.09	
			For >100 To 250, Add	1.63	
			For >250 To 400, Add	3.25	
			For >400 To 600, Add	4.88	
			For >600 To 750, Add	6.51	
			For >750, Add	8.14	
33 21	13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock.....	85.11	
			For >100 To 250, Add	2.13	
			For >250 To 400, Add	4.26	
			For >400 To 600, Add	6.38	
			For >600 To 750, Add	8.51	
			For >750, Add	10.64	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	122.49	
For >100 To 250, Add	3.06	
For >250 To 400, Add	6.12	
For >400 To 600, Add	9.19	
For >600 To 750, Add	12.25	
For >750, Add	15.31	
33 21 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	159.87	
For >100 To 250, Add	4.00	
For >250 To 400, Add	7.99	
For >400 To 600, Add	11.99	
For >600 To 750, Add	15.99	
For >750, Add	19.98	
33 21 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	190.09	
For >100 To 250, Add	4.75	
For >250 To 400, Add	9.50	
For >400 To 600, Add	14.26	
For >600 To 750, Add	19.01	
For >750, Add	23.76	
33 21 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	220.59	
For >100 To 250, Add	5.51	
For >250 To 400, Add	11.03	
For >400 To 600, Add	16.54	
For >600 To 750, Add	22.06	
For >750, Add	27.57	
33 21 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	259.83	
For >100 To 250, Add	6.50	
For >250 To 400, Add	12.99	
For >400 To 600, Add	19.49	
For >600 To 750, Add	25.98	
For >750, Add	32.48	
33 21 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	300.13	
For >100 To 250, Add	7.50	
For >250 To 400, Add	15.01	
For >400 To 600, Add	22.51	
For >600 To 750, Add	30.01	
For >750, Add	37.52	
33 21 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	330.75	
For >100 To 250, Add	8.27	
For >250 To 400, Add	16.54	
For >400 To 600, Add	24.81	
For >600 To 750, Add	33.08	
For >750, Add	41.34	
33 21 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	363.89	
For >100 To 250, Add	9.10	
For >250 To 400, Add	18.19	
For >400 To 600, Add	27.29	
For >600 To 750, Add	36.39	
For >750, Add	45.49	
33 21 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	398.58	
For >100 To 250, Add	9.96	
For >250 To 400, Add	19.93	
For >400 To 600, Add	29.89	
For >600 To 750, Add	39.86	
For >750, Add	49.82	
33 21 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	495.80	
For >100 To 250, Add	12.40	
For >250 To 400, Add	24.79	
For >400 To 600, Add	37.19	
For >600 To 750, Add	49.58	
For >750, Add	61.98	
33 21 13 00-0037 Drill Hole In Crystalline Rock (33 21 13 00-0002)		
33 21 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	71.81	
For >100 To 250, Add	1.80	
For >250 To 400, Add	3.59	
For >400 To 600, Add	5.39	
For >600 To 750, Add	7.18	
For >750, Add	8.98	
33 21 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	82.86	
For >100 To 250, Add	2.07	
For >250 To 400, Add	4.14	
For >400 To 600, Add	6.21	
For >600 To 750, Add	8.29	
For >750, Add	10.36	
33 21 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	95.01	
For >100 To 250, Add	2.38	
For >250 To 400, Add	4.75	
For >400 To 600, Add	7.13	
For >600 To 750, Add	9.50	
For >750, Add	11.88	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	120.42	
For >100 To 250, Add	3.01	
For >250 To 400, Add	6.02	
For >400 To 600, Add	9.03	
For >600 To 750, Add	12.04	
For >750, Add	15.05	
33 21 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	155.76	
For >100 To 250, Add	3.89	
For >250 To 400, Add	7.79	
For >400 To 600, Add	11.68	
For >600 To 750, Add	15.58	
For >750, Add	19.47	
33 21 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	226.47	
For >100 To 250, Add	5.66	
For >250 To 400, Add	11.32	
For >400 To 600, Add	16.99	
For >600 To 750, Add	22.65	
For >750, Add	28.31	
33 21 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	269.55	
For >100 To 250, Add	6.74	
For >250 To 400, Add	13.48	
For >400 To 600, Add	20.22	
For >600 To 750, Add	26.96	
For >750, Add	33.69	
33 21 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	312.63	
For >100 To 250, Add	7.82	
For >250 To 400, Add	15.63	
For >400 To 600, Add	23.45	
For >600 To 750, Add	31.26	
For >750, Add	39.08	
33 21 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	367.87	
For >100 To 250, Add	9.20	
For >250 To 400, Add	18.39	
For >400 To 600, Add	27.59	
For >600 To 750, Add	36.79	
For >750, Add	45.98	
33 21 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	425.32	
For >100 To 250, Add	10.63	
For >250 To 400, Add	21.27	
For >400 To 600, Add	31.90	
For >600 To 750, Add	42.53	
For >750, Add	53.17	
33 21 13 00-0048 Furnish And Install Casing <small>(33 21 13 00-0001)</small>		
Note: Excludes drilling of hole.		
33 21 13 00-0049 Steel Well Casing <small>(33 21 13 00-0048)</small>		
33 21 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	25.38	
For >100 To 250, Deduct	-0.81	
For >250 To 400, Deduct	-1.44	
For >400 To 600, Deduct	-2.17	
For >600 To 750, Deduct	-2.89	
For >750, Deduct	-3.84	
33 21 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	31.56	
For >100 To 250, Deduct	-1.01	
For >250 To 400, Deduct	-1.80	
For >400 To 600, Deduct	-2.70	
For >600 To 750, Deduct	-3.59	
For >750, Deduct	-4.78	
33 21 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	45.91	
For >100 To 250, Deduct	-1.41	
For >250 To 400, Deduct	-2.56	
For >400 To 600, Deduct	-3.84	
For >600 To 750, Deduct	-5.12	
For >750, Deduct	-6.74	
33 21 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	75.33	
For >100 To 250, Deduct	-2.20	
For >250 To 400, Deduct	-4.08	
For >400 To 600, Deduct	-6.12	
For >600 To 750, Deduct	-8.16	
For >750, Deduct	-10.61	
33 21 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	85.63	
For >100 To 250, Deduct	-2.58	
For >250 To 400, Deduct	-4.72	
For >400 To 600, Deduct	-7.08	
For >600 To 750, Deduct	-9.44	
For >750, Deduct	-12.37	
33 21 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	100.92	
For >100 To 250, Deduct	-3.07	
For >250 To 400, Deduct	-5.59	
For >400 To 600, Deduct	-8.38	
For >600 To 750, Deduct	-11.18	
For >750, Deduct	-14.68	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	116.01	
For >100 To 250, Deduct	-3.58	
For >250 To 400, Deduct	-6.48	
For >400 To 600, Deduct	-9.73	
For >600 To 750, Deduct	-12.97	
For >750, Deduct	-17.10	
33 21 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	133.10	
For >100 To 250, Deduct	-4.17	
For >250 To 400, Deduct	-7.50	
For >400 To 600, Deduct	-11.24	
For >600 To 750, Deduct	-14.99	
For >750, Deduct	-19.83	
33 21 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	155.06	
For >100 To 250, Deduct	-4.82	
For >250 To 400, Deduct	-8.70	
For >400 To 600, Deduct	-13.05	
For >600 To 750, Deduct	-17.40	
For >750, Deduct	-22.98	
33 21 13 00-0059 LB Steel Well Casing, Furnish And Install.....	0.92	
For >100 To 250, Deduct	-0.04	
For >250 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 750, Deduct	-0.12	
For >750, Deduct	-0.16	
33 21 13 00-0060 Stainless Steel Well Casing, Flush Threaded (33 21 13 00-0048)		
33 21 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush.....	55.96	
For >100 To 250, Deduct	-1.57	
For >250 To 400, Deduct	-2.97	
For >400 To 600, Deduct	-4.46	
For >600 To 750, Deduct	-5.95	
For >750, Deduct	-7.66	
33 21 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush.....	83.70	
For >100 To 250, Deduct	-2.31	
For >250 To 400, Deduct	-4.40	
For >400 To 600, Deduct	-6.61	
For >600 To 750, Deduct	-8.81	
For >750, Deduct	-11.29	
33 21 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush.....	116.76	
For >100 To 250, Deduct	-3.20	
For >250 To 400, Deduct	-6.12	
For >400 To 600, Deduct	-9.18	
For >600 To 750, Deduct	-12.24	
For >750, Deduct	-15.66	
33 21 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush.....	135.83	
For >100 To 250, Deduct	-3.73	
For >250 To 400, Deduct	-7.12	
For >400 To 600, Deduct	-10.69	
For >600 To 750, Deduct	-14.25	
For >750, Deduct	-18.24	
33 21 13 00-0065 Stainless Steel Well Casing, Welded Ring (33 21 13 00-0048)		
33 21 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded.....	125.16	
For >100 To 250, Deduct	-3.62	
For >250 To 400, Deduct	-6.75	
For >400 To 600, Deduct	-10.12	
For >600 To 750, Deduct	-13.50	
For >750, Deduct	-17.51	
33 21 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded.....	144.94	
For >100 To 250, Deduct	-4.18	
For >250 To 400, Deduct	-7.81	
For >400 To 600, Deduct	-11.71	
For >600 To 750, Deduct	-15.62	
For >750, Deduct	-20.25	
33 21 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded.....	173.87	
For >100 To 250, Deduct	-4.98	
For >250 To 400, Deduct	-9.32	
For >400 To 600, Deduct	-13.99	
For >600 To 750, Deduct	-18.65	
For >750, Deduct	-24.13	
33 21 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded.....	199.05	
For >100 To 250, Deduct	-5.69	
For >250 To 400, Deduct	-10.67	
For >400 To 600, Deduct	-16.01	
For >600 To 750, Deduct	-21.34	
For >750, Deduct	-27.61	
33 21 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded.....	220.03	
For >100 To 250, Deduct	-6.32	
For >250 To 400, Deduct	-11.83	
For >400 To 600, Deduct	-17.74	
For >600 To 750, Deduct	-23.65	
For >750, Deduct	-30.63	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	287.59	
For >100 To 250, Deduct	-8.17	
For >250 To 400, Deduct	-15.36	
For >400 To 600, Deduct	-23.04	
For >600 To 750, Deduct	-30.72	
For >750, Deduct	-39.68	
33 21 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	378.43	
For >100 To 250, Deduct	-10.69	
For >250 To 400, Deduct	-20.15	
For >400 To 600, Deduct	-30.22	
For >600 To 750, Deduct	-40.30	
For >750, Deduct	-51.96	
33 21 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 21 13 00-0048)</small>		
33 21 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	24.88	
For >100 To 250, Deduct	-0.76	
For >250 To 400, Deduct	-1.38	
For >400 To 600, Deduct	-2.08	
For >600 To 750, Deduct	-2.77	
For >750, Deduct	-3.64	
33 21 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	39.46	
For >100 To 250, Deduct	-1.21	
For >250 To 400, Deduct	-2.19	
For >400 To 600, Deduct	-3.29	
For >600 To 750, Deduct	-4.38	
For >750, Deduct	-5.76	
33 21 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	59.66	
For >100 To 250, Deduct	-1.82	
For >250 To 400, Deduct	-3.32	
For >400 To 600, Deduct	-4.97	
For >600 To 750, Deduct	-6.63	
For >750, Deduct	-8.72	
33 21 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	70.55	
For >100 To 250, Deduct	-2.17	
For >250 To 400, Deduct	-3.93	
For >400 To 600, Deduct	-5.90	
For >600 To 750, Deduct	-7.86	
For >750, Deduct	-10.35	
33 21 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 21 13 00-0001)</small>		
33 21 13 00-0079 Stainless Steel Well Screen <small>(33 21 13 00-0078)</small>		
33 21 13 00-0080 LF 2" Stainless Steel Well Screen	18.26	1.40
For >100 To 250, Deduct	-0.64	
For >250 To 400, Deduct	-1.09	
For >400 To 600, Deduct	-1.64	
For >600 To 750, Deduct	-2.19	
For >750, Deduct	-2.96	
33 21 13 00-0081 LF 3" Stainless Steel Well Screen	28.38	1.40
For >100 To 250, Deduct	-0.90	
For >250 To 400, Deduct	-1.61	
For >400 To 600, Deduct	-2.42	
For >600 To 750, Deduct	-3.23	
For >750, Deduct	-4.28	
33 21 13 00-0082 LF 4" Stainless Steel Well Screen	35.66	2.11
For >100 To 250, Deduct	-1.14	
For >250 To 400, Deduct	-2.03	
For >400 To 600, Deduct	-3.04	
For >600 To 750, Deduct	-4.06	
For >750, Deduct	-5.39	
33 21 13 00-0083 LF 5" Stainless Steel Well Screen	44.96	2.11
For >100 To 250, Deduct	-1.42	
For >250 To 400, Deduct	-2.54	
For >400 To 600, Deduct	-3.81	
For >600 To 750, Deduct	-5.08	
For >750, Deduct	-6.73	
33 21 13 00-0084 LF 6" Stainless Steel Well Screen	54.19	2.80
For >100 To 250, Deduct	-1.74	
For >250 To 400, Deduct	-3.10	
For >400 To 600, Deduct	-4.65	
For >600 To 750, Deduct	-6.20	
For >750, Deduct	-8.25	
33 21 13 00-0085 LF 8" Stainless Steel Well Screen	70.67	3.50
For >100 To 250, Deduct	-2.27	
For >250 To 400, Deduct	-4.03	
For >400 To 600, Deduct	-6.05	
For >600 To 750, Deduct	-8.06	
For >750, Deduct	-10.73	
33 21 13 00-0086 LF 10" Stainless Steel Well Screen	89.93	5.61
For >100 To 250, Deduct	-2.92	
For >250 To 400, Deduct	-5.17	
For >400 To 600, Deduct	-7.75	
For >600 To 750, Deduct	-10.34	
For >750, Deduct	-13.79	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0087 LF 12" Stainless Steel Well Screen.....	105.48	7.01
For >100 To 250, Deduct	-3.42	
For >250 To 400, Deduct	-6.06	
For >400 To 600, Deduct	-9.09	
For >600 To 750, Deduct	-12.12	
For >750, Deduct	-16.17	
33 21 13 00-0088 LF 14" Stainless Steel Well Screen.....	116.08	7.71
For >100 To 250, Deduct	-3.81	
For >250 To 400, Deduct	-6.71	
For >400 To 600, Deduct	-10.06	
For >600 To 750, Deduct	-13.42	
For >750, Deduct	-17.94	
33 21 13 00-0089 LF 16" Stainless Steel Well Screen.....	125.89	9.11
For >100 To 250, Deduct	-4.16	
For >250 To 400, Deduct	-7.31	
For >400 To 600, Deduct	-10.97	
For >600 To 750, Deduct	-14.62	
For >750, Deduct	-19.60	
33 21 13 00-0090 LF 18" Stainless Steel Well Screen.....	151.32	10.51
For >100 To 250, Deduct	-5.03	
For >250 To 400, Deduct	-8.82	
For >400 To 600, Deduct	-13.23	
For >600 To 750, Deduct	-17.63	
For >750, Deduct	-23.67	
33 21 13 00-0091 LF 20" Stainless Steel Well Screen.....	190.83	13.31
For >100 To 250, Deduct	-6.34	
For >250 To 400, Deduct	-11.11	
For >400 To 600, Deduct	-16.67	
For >600 To 750, Deduct	-22.23	
For >750, Deduct	-29.83	
33 21 13 00-0092 LF 24" Stainless Steel Well Screen.....	247.69	17.52
For >100 To 250, Deduct	-8.25	
For >250 To 400, Deduct	-14.45	
For >400 To 600, Deduct	-21.67	
For >600 To 750, Deduct	-28.89	
For >750, Deduct	-38.79	
33 21 13 00-0093 LF 26" Stainless Steel Well Screen.....	285.34	20.33
For >100 To 250, Deduct	-9.47	
For >250 To 400, Deduct	-16.60	
For >400 To 600, Deduct	-24.90	
For >600 To 750, Deduct	-33.21	
For >750, Deduct	-44.54	
33 21 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(3321 13 00-0078)</small>		
33 21 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.39	
For >100 To 250, Deduct	-0.32	
For >250 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 750, Deduct	-1.07	
For >750, Deduct	-1.48	
For Schedule 80, Add	1.54	
33 21 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.46	
For >100 To 250, Deduct	-0.36	
For >250 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 750, Deduct	-1.19	
For >750, Deduct	-1.64	
For Schedule 80, Add	1.84	
33 21 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	14.06	
For >100 To 250, Deduct	-0.57	
For >250 To 400, Deduct	-0.92	
For >400 To 600, Deduct	-1.38	
For >600 To 750, Deduct	-1.84	
For >750, Deduct	-2.58	
For Schedule 80, Add	2.15	
33 21 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	19.34	
For >100 To 250, Deduct	-0.72	
For >250 To 400, Deduct	-1.20	
For >400 To 600, Deduct	-1.80	
For >600 To 750, Deduct	-2.40	
For >750, Deduct	-3.31	
For Schedule 80, Add	3.99	
33 21 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	24.35	
For >100 To 250, Deduct	-0.91	
For >250 To 400, Deduct	-1.51	
For >400 To 600, Deduct	-2.27	
For >600 To 750, Deduct	-3.03	
For >750, Deduct	-4.17	
For Schedule 80, Add	5.00	

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	30.22	
For >100 To 250, Deduct	-1.11	
For >250 To 400, Deduct	-1.86	
For >400 To 600, Deduct	-2.80	
For >600 To 750, Deduct	-3.73	
For >750, Deduct	-5.12	
For Schedule 80, Add	6.44	
33 21 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	34.53	
For >100 To 250, Deduct	-1.33	
For >250 To 400, Deduct	-2.20	
For >400 To 600, Deduct	-3.30	
For >600 To 750, Deduct	-4.39	
For >750, Deduct	-6.10	
For Schedule 80, Add	6.29	
33 21 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	48.61	
For >100 To 250, Deduct	-1.82	
For >250 To 400, Deduct	-3.03	
For >400 To 600, Deduct	-4.55	
For >600 To 750, Deduct	-6.06	
For >750, Deduct	-8.36	
For Schedule 80, Add	9.82	
33 21 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 21 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 21 13 00-0104 Artificial Gravel Pack <small>(33 21 13 00-0103)</small>		
Note: Excludes casing.		
33 21 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	14.80	
For >100 To 250, Deduct	-0.57	
For >250 To 400, Deduct	-0.94	
For >400 To 600, Deduct	-1.41	
For >600 To 750, Deduct	-1.88	
For >750, Deduct	-2.61	
33 21 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	21.85	
For >100 To 250, Deduct	-0.86	
For >250 To 400, Deduct	-1.41	
For >400 To 600, Deduct	-2.11	
For >600 To 750, Deduct	-2.82	
For >750, Deduct	-3.93	
33 21 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	30.43	
For >100 To 250, Deduct	-1.23	
For >250 To 400, Deduct	-1.99	
For >400 To 600, Deduct	-2.99	
For >600 To 750, Deduct	-3.98	
For >750, Deduct	-5.59	
33 21 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	39.00	
For >100 To 250, Deduct	-1.56	
For >250 To 400, Deduct	-2.53	
For >400 To 600, Deduct	-3.80	
For >600 To 750, Deduct	-5.07	
For >750, Deduct	-7.09	
33 21 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	48.11	
For >100 To 250, Deduct	-1.90	
For >250 To 400, Deduct	-3.10	
For >400 To 600, Deduct	-4.66	
For >600 To 750, Deduct	-6.21	
For >750, Deduct	-8.67	
33 21 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	62.31	
For >100 To 250, Deduct	-2.42	
For >250 To 400, Deduct	-3.98	
For >400 To 600, Deduct	-5.97	
For >600 To 750, Deduct	-7.95	
For >750, Deduct	-11.06	
33 21 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	71.44	
For >100 To 250, Deduct	-2.76	
For >250 To 400, Deduct	-4.55	
For >400 To 600, Deduct	-6.82	
For >600 To 750, Deduct	-9.09	
For >750, Deduct	-12.63	
33 21 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	84.85	
For >100 To 250, Deduct	-3.31	
For >250 To 400, Deduct	-5.43	
For >400 To 600, Deduct	-8.15	
For >600 To 750, Deduct	-10.86	
For >750, Deduct	-15.12	
33 21 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	95.98	
For >100 To 250, Deduct	-3.76	
For >250 To 400, Deduct	-6.16	
For >400 To 600, Deduct	-9.24	
For >600 To 750, Deduct	-12.33	
For >750, Deduct	-17.18	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	103.42	
For >100 To 250, Deduct	-4.01	
For >250 To 400, Deduct	-6.60	
For >400 To 600, Deduct	-9.89	
For >600 To 750, Deduct	-13.19	
For >750, Deduct	-18.34	
33 21 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	123.32	
For >100 To 250, Deduct	-4.84	
For >250 To 400, Deduct	-7.92	
For >400 To 600, Deduct	-11.88	
For >600 To 750, Deduct	-15.84	
For >750, Deduct	-22.07	
33 21 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	142.64	
For >100 To 250, Deduct	-5.70	
For >250 To 400, Deduct	-9.27	
For >400 To 600, Deduct	-13.90	
For >600 To 750, Deduct	-18.54	
For >750, Deduct	-25.95	
33 21 13 00-0117 Develop Well <small>(33 21 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 21 13 00-0118 HR Develop Well.....	255.08	
33 21 13 00-0119 Pump Test <small>(33 21 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 21 13 00-0120 HR Pump Test Well.....	228.76	
33 21 13 00-0121 Test Well <small>(33 21 13 00-0001)</small>		
33 21 13 00-0122 VLF 2-1/2" Diameter Test Well.....	71.55	
33 21 13 00-0123 Surface Seal, Concrete Filled <small>(33 21 13)</small>		
33 21 13 00-0124 SF Surface Seal Well, Concrete Filled.....	23.75	
33 21 13 00-0125 Other Water Well <small>(33 21 13)</small>		
33 21 13 00-0126 SF Patch Hole In Well Casing.....	71.55	
33 21 13 00-0127 SF 1/2" Pressure Grout Well.....	1.86	
33 21 13 00-0128 SF 1" Pressure Grout Well.....	3.01	
33 21 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.38	
33 21 13 00-0130 Sterilization Of Well <small>(33 21 13)</small>		
33 21 13 00-0131 EA Well Sterilization, Chlorine.....	1,324.02	
33 21 13 00-0132 Submersible Well Pumps <small>(33 21 13)</small>		
Note: Includes pump end, motor and control box.		
33 21 13 00-0133 4" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,111.51	349.56
33 21 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,269.93	387.44
33 21 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,409.18	430.49
33 21 13 00-0138 Stainless Steel Case And Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,276.54	344.39
33 21 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,458.71	387.44
33 21 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,637.50	430.49
33 21 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,886.35	473.53
33 21 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,145.39	516.58
33 21 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,656.68	602.69
33 21 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,379.32	688.78
33 21 13 00-0146 6" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,182.30	860.98
33 21 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,694.61	947.07
33 21 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,228.61	1,033.17
33 21 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	5,383.42	1,205.37

33 26 Relief Wells (33 20)
 33 26 00 00-0001 Drainage Wells (33 26)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 26 00 00-0002	LF		12" Diameter Drainage Well With Corrugated Metal Liner	21.65	
33 26 00 00-0003	LF		18" Diameter Drainage Well With Corrugated Metal Liner	26.14	
33 26 00 00-0004	LF		24" Diameter Drainage Well With Corrugated Metal Liner	34.42	

33 30 Sanitary Sewerage Utilities ⁽³³⁾

33 31 Sanitary Utility Sewerage Piping ^(33 30)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 00 00-0001 Cast Iron Service Saddles With U Bolt ^(33 31)

33 31 00 00-0002	EA		2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	85.14	
33 31 00 00-0003	EA		3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	85.57	
33 31 00 00-0004	EA		3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	94.22	
33 31 00 00-0005	EA		4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	91.10	
33 31 00 00-0006	EA		4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	102.72	
33 31 00 00-0007	EA		4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	115.42	
33 31 00 00-0008	EA		4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	136.69	
33 31 00 00-0009	EA		6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	115.52	
33 31 00 00-0010	EA		6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	123.71	
33 31 00 00-0011	EA		6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	145.71	
33 31 00 00-0012	EA		2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	121.93	
33 31 00 00-0013	EA		4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	93.55	
33 31 00 00-0014	EA		4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	102.20	
33 31 00 00-0015	EA		4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	121.14	
33 31 00 00-0016	EA		4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	143.72	
33 31 00 00-0017	EA		6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	154.46	

33 31 00 00-0018 Plastic Sewer And Drain Piping ^(33 31)

33 31 00 00-0019 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe ^(33 31 00 00-0018)

33 31 00 00-0020	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.32	2.58
33 31 00 00-0021	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	5.25	3.14
33 31 00 00-0022	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	7.87	4.46
33 31 00 00-0023	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	8.98	4.86
33 31 00 00-0024	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	12.28	6.26
33 31 00 00-0025	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	17.06	8.38
33 31 00 00-0026	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	24.26	11.12

33 31 00 00-0027 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe ^(33 31 00 00-0018)

Note: D-2729 PVC pipe.

33 31 00 00-0028	LF		3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.31	4.43
33 31 00 00-0029	LF		4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.15	5.60
33 31 00 00-0030	LF		6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.09	8.40

33 31 00 00-0031 Polyvinyl Chloride (PVC) Sewer And Drain Fittings ^(33 31 00 00-0018)

33 31 00 00-0032 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 00 00-0031)

33 31 00 00-0033	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.36	10.42
33 31 00 00-0034	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.09	13.48
33 31 00 00-0035	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.04	18.09
33 31 00 00-0036	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.39	20.92
33 31 00 00-0037	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	77.60	27.18
33 31 00 00-0038	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	117.86	36.58
33 31 00 00-0039	EA		10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	156.21	48.73

33 31 00 00-0040 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 00 00-0031)

33 31 00 00-0041	EA		1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.53	10.42
33 31 00 00-0042	EA		2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	21.07	13.48
33 31 00 00-0043	EA		3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	29.79	18.09
33 31 00 00-0044	EA		4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	36.16	20.92
33 31 00 00-0045	EA		6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	74.49	27.18
33 31 00 00-0046	EA		8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	110.62	36.58
33 31 00 00-0047	EA		10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	134.93	48.73

33 31 00 00-0048 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain ^(33 31 00 00-0031)

33 31 00 00-0049	EA		1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.19	10.26
33 31 00 00-0050	EA		2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.25	13.48
33 31 00 00-0051	EA		3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.64	18.49
33 31 00 00-0052	EA		4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	45.35	22.57
33 31 00 00-0053	EA		6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	65.24	26.09
33 31 00 00-0054	EA		8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	93.72	29.77
33 31 00 00-0055	EA		10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	134.94	34.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0056 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.88	10.42
		EA	2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.43	13.48
		EA	3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	30.82	18.09
		EA	4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.09	20.92
		EA	6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	87.96	27.18
		EA	8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	132.93	36.58
		EA	10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	159.64	48.73
33 31 00 00-0064 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.62	13.48
		EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.40	18.49
		EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.65	18.49
		EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.98	20.92
		EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.33	20.92
		EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	73.23	27.18
		EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	121.78	32.12
		EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	112.02	58.06
		EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	126.00	58.06
		EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	120.47	58.06
33 31 00 00-0075 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.89	15.75
		EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.35	20.37
		EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.26	26.87
		EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	59.40	33.38
		EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	109.41	36.58
		EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	143.66	48.73
33 31 00 00-0082 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.19	15.75
		EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.10	20.37
		EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	46.22	26.87
		EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	60.97	33.38
		EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	103.52	36.58
		EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	132.48	48.73
		EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	175.38	65.03
33 31 00 00-0090 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.21	15.75
		EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.07	20.37
		EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	44.88	26.87
		EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	58.82	33.38
		EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	60.29	33.38
33 31 00 00-0096 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.00	20.37
		EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.41	26.87
		EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.65	36.27
		EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	102.87	43.87
		EA	2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	46.80	26.87
		EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	67.98	36.27
		EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	95.16	43.87
33 31 00 00-0104 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	27.80	15.75
		EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	35.61	20.37
		EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.78	26.87
		EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	77.93	33.38
		EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.09	20.37
		EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	58.74	26.87
		EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.84	26.87
		EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	75.60	33.38
		EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	77.73	33.38
33 31 00 00-0114 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>					
		EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.25	20.37
		EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.55	26.87
		EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	66.91	36.27

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0118 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	131.87	43.87
33 31 00 00-0119 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	312.64	48.58
33 31 00 00-0120 Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0121 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	168.77	85.25
33 31 00 00-0122 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	283.73	109.98
33 31 00 00-0123 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	380.42	154.99
33 31 00 00-0124 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	570.09	249.32
33 31 00 00-0125 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0126 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	16.30	10.42
33 31 00 00-0127 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	20.77	13.40
33 31 00 00-0128 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	28.76	17.94
33 31 00 00-0129 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	34.32	20.92
33 31 00 00-0130 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	57.24	27.18
33 31 00 00-0131 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	102.30	36.58
33 31 00 00-0132 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	146.68	48.73
33 31 00 00-0133 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0134 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	86.12	54.62
33 31 00 00-0135 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	63.68	41.55
33 31 00 00-0136 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	64.29	41.55
33 31 00 00-0137 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	65.93	41.55
33 31 00 00-0138 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	86.57	54.62
33 31 00 00-0139 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	85.26	54.62
33 31 00 00-0140 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	83.11	54.62
33 31 00 00-0141 EA 4" Drain Grate, Drain And Sewer Fitting	43.66	28.09
33 31 00 00-0142 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0143 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	20.58	11.20
33 31 00 00-0144 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	29.39	13.95
33 31 00 00-0145 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	47.32	18.02
33 31 00 00-0146 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
33 31 00 00-0147 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	16.38	10.42
33 31 00 00-0148 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	21.20	13.48
33 31 00 00-0149 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	29.61	18.09
33 31 00 00-0150 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	36.01	20.92
33 31 00 00-0151 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	53.13	27.18
33 31 00 00-0152 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	134.18	36.58
33 31 00 00-0153 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 00 00-0018)		
Note: ASTM 3034.		
33 31 00 00-0154 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	8.69	3.78
33 31 00 00-0155 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	11.40	4.08
33 31 00 00-0156 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	14.94	4.33
33 31 00 00-0157 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	20.06	5.10
33 31 00 00-0158 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	25.09	5.26
33 31 00 00-0159 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.92	8.67
33 31 00 00-0160 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	52.43	11.14
33 31 00 00-0161 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	68.37	13.00
33 31 00 00-0162 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	83.25	14.85
33 31 00 00-0163 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	101.64	16.71
33 31 00 00-0164 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 00 00-0018)		
Note: ASTM 3034.		
33 31 00 00-0165 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	7.68	3.78
33 31 00 00-0166 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	9.61	4.08
33 31 00 00-0167 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	12.03	4.33
33 31 00 00-0168 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 00 00-0018)		
Note: ASTM 3034.		
33 31 00 00-0169 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0170 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	50.10	19.51
33 31 00 00-0171 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	70.14	22.69
33 31 00 00-0172 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.51	25.72
33 31 00 00-0173 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	351.15	30.25
33 31 00 00-0174 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	453.41	38.57
33 31 00 00-0175 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		



MINOR	CS	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0176	EA		4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	46.48	19.51
33 31 00 00-0177	EA		6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	66.16	22.69
33 31 00 00-0178	EA		8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	122.44	25.72
33 31 00 00-0179	EA		10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	256.33	30.25
33 31 00 00-0180	EA		12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	363.26	38.57
33 31 00 00-0181	EA		15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	760.20	54.47
33 31 00 00-0182	EA		18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,200.04	77.16
33 31 00 00-0183	EA		21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,984.80	102.12
33 31 00 00-0184	EA		24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,704.28	136.15
33 31 00 00-0185			Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0185)</small>		
33 31 00 00-0186	EA		4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	75.67	29.28
33 31 00 00-0187	EA		6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	112.25	32.45
33 31 00 00-0188	EA		6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	124.57	34.04
33 31 00 00-0189	EA		8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	136.24	35.63
33 31 00 00-0190	EA		8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	153.69	37.21
33 31 00 00-0191	EA		8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	273.22	38.81
33 31 00 00-0192	EA		10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	343.46	39.71
33 31 00 00-0193	EA		10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	387.03	41.60
33 31 00 00-0194	EA		10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	559.64	43.19
33 31 00 00-0195	EA		10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	722.37	45.38
33 31 00 00-0196	EA		12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	422.25	48.34
33 31 00 00-0197	EA		12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	447.36	49.92
33 31 00 00-0198	EA		12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	625.52	51.51
33 31 00 00-0199	EA		12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	888.85	53.71
33 31 00 00-0200	EA		12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	999.97	57.87
33 31 00 00-0201			Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0185)</small>		
33 31 00 00-0202	EA		4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	72.86	29.28
33 31 00 00-0203	EA		6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	102.91	32.45
33 31 00 00-0204	EA		6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	112.02	34.04
33 31 00 00-0205	EA		8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.23	35.63
33 31 00 00-0206	EA		8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	148.91	37.21
33 31 00 00-0207	EA		8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	216.14	38.81
33 31 00 00-0208	EA		10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	316.53	40.02
33 31 00 00-0209	EA		10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	323.40	41.60
33 31 00 00-0210	EA		10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	473.96	43.19
33 31 00 00-0211	EA		10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	522.93	45.38
33 31 00 00-0212	EA		12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	399.64	48.34
33 31 00 00-0213	EA		12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	412.24	49.92
33 31 00 00-0214	EA		12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	577.37	51.51
33 31 00 00-0215	EA		12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	690.27	53.71
33 31 00 00-0216	EA		12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	721.90	57.87
33 31 00 00-0217	EA		15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	888.55	69.60
33 31 00 00-0218	EA		15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	983.55	73.75
33 31 00 00-0219	EA		15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,222.86	81.70
33 31 00 00-0220			Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0185)</small>		
33 31 00 00-0221	EA		4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	49.78	19.51
33 31 00 00-0222	EA		6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	72.28	22.69
33 31 00 00-0223	EA		8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	101.63	25.87
33 31 00 00-0224	EA		10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	180.32	30.25
33 31 00 00-0225	EA		12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	253.01	38.57
33 31 00 00-0226	EA		15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	481.21	54.47
33 31 00 00-0227	EA		18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	888.63	77.16
33 31 00 00-0228	EA		21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,465.49	102.12
33 31 00 00-0229	EA		24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,113.89	136.15
33 31 00 00-0230			Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0185)</small>		
33 31 00 00-0231	EA		6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	84.70	21.11
33 31 00 00-0232	EA		8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	116.45	22.69
33 31 00 00-0233	EA		8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	123.03	24.28
33 31 00 00-0234	EA		10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	258.76	26.47
33 31 00 00-0235	EA		10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	295.84	28.07
33 31 00 00-0236	EA		12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	330.11	30.64
33 31 00 00-0237	EA		12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	376.97	32.22
33 31 00 00-0238	EA		12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	430.57	34.42
33 31 00 00-0239	EA		15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	644.82	46.52
33 31 00 00-0240			Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0185)</small>		
33 31 00 00-0241	EA		6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	73.49	
33 31 00 00-0242	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	95.28	
33 31 00 00-0243	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	97.01	
33 31 00 00-0244	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	151.92	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0245	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	159.16	
33 31 00 00-0246	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	283.76	
33 31 00 00-0247	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	174.59	
33 31 00 00-0248	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	188.17	
33 31 00 00-0249	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	389.33	
33 31 00 00-0250	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	454.70	
33 31 00 00-0251	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	206.99	
33 31 00 00-0252	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	218.84	
33 31 00 00-0253			Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0168)</small>		
33 31 00 00-0254	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	77.54	
33 31 00 00-0255	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	95.28	
33 31 00 00-0256	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	102.53	
33 31 00 00-0257	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	141.18	
33 31 00 00-0258	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	158.29	
33 31 00 00-0259	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	229.68	
33 31 00 00-0260	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	173.73	
33 31 00 00-0261	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	187.35	
33 31 00 00-0262	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	268.24	
33 31 00 00-0263	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	321.03	
33 31 00 00-0264	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	206.46	
33 31 00 00-0265	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	214.83	
33 31 00 00-0266	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	334.43	
33 31 00 00-0267	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	366.29	
33 31 00 00-0268	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	503.22	
33 31 00 00-0269			Couplings And Plug Fittings <small>(33 31)</small>		
33 31 00 00-0270			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 00 00-0269)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.					
33 31 00 00-0271	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	14.10	5.15
33 31 00 00-0272	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	15.44	6.01
33 31 00 00-0273	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.78	6.87
33 31 00 00-0274	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	20.09	7.30
33 31 00 00-0275	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	24.35	7.73
33 31 00 00-0276	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	28.64	8.59
33 31 00 00-0277	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	36.04	9.45
33 31 00 00-0278	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	44.15	9.88
33 31 00 00-0279	EA		12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	84.31	10.30
33 31 00 00-0280	EA		15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	115.50	11.16
33 31 00 00-0281	EA		18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	224.90	11.59
33 31 00 00-0282	EA		21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	261.58	12.24
33 31 00 00-0283	EA		24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	289.95	12.88
33 31 00 00-0284	EA		27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	347.64	13.74
33 32 Wastewater Utility Pumping Stations <small>(33 30)</small>					
33 32 16 Packaged Utility Wastewater Pumping Stations <small>(33 32)</small>					
33 32 16 13 Packaged Sewage Grinder Pumping Units <small>(33 32 16)</small>					
33 32 16 13-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16 13)</small>					
33 32 16 13-0002	EA		2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,925.06	253.74
Note: Zoeller 840 series.					
33 32 16 13-0003	EA		2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,895.76	253.74
Note: Zoeller 840 series.					
33 32 16 13-0004	EA		Simplex Control Panel With Auto Reversing Switch.....	930.01	84.55
Note: For Zoeller 840 series grinder pump.					
33 32 16 13-0005	EA		Duplex Control Panel With Auto Reversing Switch.....	1,474.57	84.55
Note: For Zoeller 840 series grinder pump.					
33 32 16 13-0006	EA		Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	7,327.30	
33 32 16 13-0007 Submersible Grinder Pumps <small>(33 32 16 13)</small>					
Note: Includes 50' of cord with pumps unless otherwise noted.					
33 32 16 13-0008	EA		2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,333.99	516.58
33 32 16 13-0009	EA		3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,082.94	602.69
33 32 16 13-0010	EA		5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	6,202.77	774.88
33 39 Sanitary Utility Sewerage Structures <small>(33 30)</small>					
33 39 13 Sanitary Utility Sewerage Manholes, Frames, And Covers <small>(33 39)</small>					
See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill, 33 44 19 00-0000 for oil separators.					
33 39 13 00-0001 Manholes <small>(33 39 13)</small>					



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Sanitary Utility Sewerage Structures	33 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0002 Cast In Place Concrete, 8" Thick <small>(33 39 13 00-0001)</small> Note: Includes base, wall, top and block-out for openings.		
33 39 13 00-0003 48" Diameter <small>(33 39 13 00-0002)</small>		
33 39 13 00-0004 EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick	1,496.07	489.03
33 39 13 00-0005 EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick	2,063.05	669.05
33 39 13 00-0006 EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick	2,937.86	1,002.98
33 39 13 00-0007 VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'	363.09	125.43
33 39 13 00-0008 Precast Concrete Manholes <small>(33 39 13 00-0001)</small> Note: Includes base, riser(s), reducer and openings. See CSI section 33 39 13 00-0044 for top slabs.		
33 39 13 00-0009 3' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0010 EA 4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	955.09	231.45
For 6" Thick Wall, Deduct	-72.36	
33 39 13 00-0011 EA 6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,332.44	316.53
For 6" Thick Wall, Deduct	-101.59	
33 39 13 00-0012 EA 8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,856.19	474.78
For 6" Thick Wall, Deduct	-138.14	
33 39 13 00-0013 VLF Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole	228.79	63.30
For 6" Thick Wall, Deduct	-16.94	
33 39 13 00-0014 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0015 EA 4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,072.04	241.34
For 6" Thick Wall, Deduct	-83.07	
33 39 13 00-0016 EA 6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	1,491.02	329.97
For 6" Thick Wall, Deduct	-116.10	
33 39 13 00-0017 EA 8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	2,061.90	494.57
For 6" Thick Wall, Deduct	-156.73	
33 39 13 00-0018 VLF Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole	253.15	63.30
For 6" Thick Wall, Deduct	-19.14	
33 39 13 00-0019 4' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0020 EA 4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,192.45	249.26
For 6" Thick Wall, Deduct	-94.16	
33 39 13 00-0021 EA 6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,652.81	340.26
For 6" Thick Wall, Deduct	-130.99	
33 39 13 00-0022 EA 8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,272.08	514.34
For 6" Thick Wall, Deduct	-175.77	
33 39 13 00-0023 VLF Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole	278.25	65.28
For 6" Thick Wall, Deduct	-21.40	
33 39 13 00-0024 VLF Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	335.48	65.28
For 6" Thick Wall, Deduct	-27.12	
33 39 13 00-0025 5' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0026 EA 4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,462.07	276.96
For 6" Thick Wall, Deduct	-118.43	
33 39 13 00-0027 EA 6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,010.57	379.83
For 6" Thick Wall, Deduct	-163.13	
33 39 13 00-0028 EA 8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,735.21	569.74
For 6" Thick Wall, Deduct	-216.62	
33 39 13 00-0029 VLF Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole	333.07	71.22
For 6" Thick Wall, Deduct	-26.19	
33 39 13 00-0030 VLF Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	394.92	71.22
For 6" Thick Wall, Deduct	-32.37	
33 39 13 00-0031 6' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>		
33 39 13 00-0032 EA 4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	1,756.48	308.61
33 39 13 00-0033 EA 6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	2,397.41	419.39
33 39 13 00-0034 EA 8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	3,235.53	633.04
33 39 13 00-0035 VLF Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole	391.39	79.13
33 39 13 00-0036 VLF Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone	448.63	79.13
33 39 13 00-0037 Brick Manholes <small>(33 39 13 00-0001)</small>		
33 39 13 00-0038 4' Inside Diameter x 8" Wall (2 Brick) <small>(33 39 13 00-0037)</small>		
33 39 13 00-0039 EA 4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall	2,159.19	796.46
33 39 13 00-0040 EA 4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall	3,159.71	1,172.97
33 39 13 00-0041 EA 4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall	4,182.08	1,592.93
33 39 13 00-0042 VLF 4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'	541.69	199.11
33 39 13 00-0043 Manhole Accessories <small>(33 39 13)</small>		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 39 13 00-0044	Precast Concrete Manhole Tops <small>(33 39 13 00-0043)</small>		
33 39 13 00-0045	Precast Concrete Manhole Slab Tops <small>(33 39 13 00-0044)</small>		
33 39 13 00-0046	EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	392.81	59.34
33 39 13 00-0047	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab.....	459.18	61.72
33 39 13 00-0048	EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	533.36	64.09
33 39 13 00-0049	EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	705.93	68.84
33 39 13 00-0050	EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	837.90	73.59
33 39 13 00-0051	Precast Concrete Manhole Cone Tops <small>(33 39 13 00-0044)</small>		
33 39 13 00-0052	EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	607.58	74.18
33 39 13 00-0053	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	671.26	77.15
33 39 13 00-0054	EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	734.94	80.12
33 39 13 00-0055	EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	858.33	85.06
33 39 13 00-0056	EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	985.69	91.00
33 39 13 00-0057	Pipe To Manhole Connector <small>(33 39 13 00-0043)</small>		
33 39 13 00-0058	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 39 13 00-0057)</small>		
33 39 13 00-0059	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	55.26	
33 39 13 00-0060	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	78.28	
33 39 13 00-0061	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	88.40	
33 39 13 00-0062	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	128.90	
33 39 13 00-0063	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	178.15	
33 39 13 00-0064	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	237.65	
33 39 13 00-0065	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	416.70	
33 39 13 00-0066	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	575.97	
33 39 13 00-0067	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	895.00	
33 39 13 00-0068	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,057.96	
33 39 13 00-0069	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 39 13 00-0057)</small>		
	Note: Fernco CMA.		
33 39 13 00-0070	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	72.90	
33 39 13 00-0071	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	100.44	
33 39 13 00-0072	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	126.67	
33 39 13 00-0073	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	152.79	
33 39 13 00-0074	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	177.42	
33 39 13 00-0075	Brick And Grout Pipe To Manhole Connector <small>(33 39 13 00-0057)</small>		
33 39 13 00-0076	EA Seal Gap Between Pipe And Structure With Brick And Grout.....	178.94	
33 39 13 00-0077	Inverts For Manholes <small>(33 39 13 00-0043)</small>		
33 39 13 00-0078	EA Single Channel Concrete Invert For Manholes.....	324.84	
33 39 13 00-0079	EA Double Channel Concrete Invert For Manholes.....	469.92	
33 39 13 00-0080	EA Triple Channel Concrete Invert For Manholes.....	632.39	
33 39 13 00-0081	EA Quad Channel Concrete Invert For Manholes.....	794.82	
33 39 13 00-0082	EA Single Channel Brick Invert For Manholes.....	460.33	
33 39 13 00-0083	EA Double Channel Brick Invert For Manholes.....	689.41	
33 39 13 00-0084	EA Triple Channel Brick Invert For Manholes.....	922.52	
33 39 13 00-0085	EA Quad Channel Brick Invert For Manholes.....	1,152.64	
33 39 13 00-0086	Steps For Cast-In-Place Manholes <small>(33 39 13 00-0043)</small>		
	See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 39 13 00-0087	EA Cast Iron Manhole Step For New Manholes.....	52.09	
33 39 13 00-0088	EA Galvanized Steel Manhole Step For New Manholes.....	39.43	
33 39 13 00-0089	EA Aluminum Manhole Step For New Manholes.....	36.87	
33 39 13 00-0090	EA Polypropylene Manhole Step For New Manholes.....	31.36	
33 39 13 00-0091	Protective Coating For New Manholes <small>(33 39 13 00-0043)</small>		
33 39 13 00-0092	Polyurethane Protective Coating For New Manholes <small>(33 39 13 00-0091)</small>		
33 39 13 00-0093	VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	131.71	
	For 80 Mil Material, Add	17.81	
	For 100 Mil Material, Add	35.62	
	For 125 Mil Material, Add	55.99	
	For 150 Mil Material, Add	76.37	
	For 200 Mil Material, Add	112.06	
	For 2 To 5 Manholes, Deduct	-9.11	
	For 6 To 10 Manholes, Deduct	-14.93	
	For >10 Manholes, Deduct	-29.86	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0094	VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior		159.31	
	For 80 Mil Material, Add		21.21	
	For 100 Mil Material, Add		42.42	
	For 125 Mil Material, Add		66.62	
	For 150 Mil Material, Add		90.83	
	For 200 Mil Material, Add		133.05	
	For 2 To 5 Manholes, Deduct		-11.05	
	For 6 To 10 Manholes, Deduct		-18.12	
	For >10 Manholes, Deduct		-36.24	
33 39 13 00-0095	VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior		175.61	
	For 80 Mil Material, Add		23.75	
	For 100 Mil Material, Add		47.49	
	For 125 Mil Material, Add		74.65	
	For 150 Mil Material, Add		101.81	
	For 200 Mil Material, Add		149.39	
	For 2 To 5 Manholes, Deduct		-12.15	
	For 6 To 10 Manholes, Deduct		-19.90	
	For >10 Manholes, Deduct		-39.81	
33 39 13 00-0096	VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior		219.55	
	For 80 Mil Material, Add		29.70	
	For 100 Mil Material, Add		59.39	
	For 125 Mil Material, Add		93.35	
	For 150 Mil Material, Add		127.32	
	For 200 Mil Material, Add		186.83	
	For 2 To 5 Manholes, Deduct		-15.19	
	For 6 To 10 Manholes, Deduct		-24.88	
	For >10 Manholes, Deduct		-49.77	
33 39 13 00-0097	VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior		254.48	
	For 80 Mil Material, Add		34.96	
	For 100 Mil Material, Add		69.92	
	For 125 Mil Material, Add		110.00	
	For 150 Mil Material, Add		150.08	
	For 200 Mil Material, Add		220.60	
	For 2 To 5 Manholes, Deduct		-17.55	
	For 6 To 10 Manholes, Deduct		-28.74	
	For >10 Manholes, Deduct		-57.48	
33 39 13 00-0098	Polyvinyl Chloride (PVC) Liner <small>(33 39 13 00-0091)</small>			
	Note: For new manholes and shop applied.			
33 39 13 00-0099	VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole		144.38	
33 39 13 00-0100	VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole		176.98	
33 39 13 00-0101	VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole		215.98	
33 39 13 00-0102	VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole		271.23	
33 39 13 00-0103	VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole		326.48	
33 39 13 00-0104	SF Polyvinyl Chloride (PVC) Liner At Structures		22.56	
33 39 13 00-0105	Concrete Grade Extensions/Grade Rings <small>(33 39 13 00-0043)</small>			
33 39 13 00-0106	18" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 39 13 00-0105)</small>			
33 39 13 00-0107	EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....		61.27	
33 39 13 00-0108	EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		66.41	
33 39 13 00-0109	EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		71.54	
33 39 13 00-0110	EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....		76.67	
33 39 13 00-0111	24" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 39 13 00-0105)</small>			
33 39 13 00-0112	EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		68.73	
33 39 13 00-0113	EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		74.57	
33 39 13 00-0114	EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		80.40	
33 39 13 00-0115	EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....		86.23	
33 39 13 00-0116	30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 39 13 00-0105)</small>			
33 39 13 00-0117	EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		76.05	
33 39 13 00-0118	EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		82.55	
33 39 13 00-0119	EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		89.06	
33 39 13 00-0120	EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....		95.56	
33 39 13 00-0121	Bentonite Collar <small>(33 39 13 00-0043)</small>			
33 39 13 00-0122	Bentonite Collar At Manhole Connections <small>(33 39 13 00-0121)</small>			
33 39 13 00-0123	EA Up To 12" Pipe, Bentonite Collar At Manhole Connection		97.76	
33 39 13 00-0124	EA >12" To 21", Bentonite Collar At Manhole Connection.....		155.05	
33 39 13 00-0125	EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection		247.58	
33 39 13 00-0126	EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection		580.89	
33 39 13 00-0127	EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection		893.45	
33 39 13 00-0128	EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection		1,618.65	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0129 Manhole Covers And Frames <small>(33 39 13)</small> Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 39 13 00-0130 Regular Manhole Covers And Frames, City Type <small>(33 39 13 00-0129)</small>		
33 39 13 00-0131 EA 18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type .....436.98	68.05	
For Malleable Iron Castings, Add	69.37	
For Ductile Iron Castings, Add	161.87	
For Heavy Duty, Add	163.23	
33 39 13 00-0132 EA 18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type .....651.09	68.05	
For Malleable Iron Castings, Add	133.61	
For Ductile Iron Castings, Add	311.75	
For Heavy Duty, Add	238.17	
33 39 13 00-0133 EA 24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type .....664.70	74.38	
For Malleable Iron Castings, Add	132.32	
For Ductile Iron Castings, Add	308.75	
For Heavy Duty, Add	243.83	
33 39 13 00-0134 EA 24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type .....686.11	74.38	
For Malleable Iron Castings, Add	138.74	
For Ductile Iron Castings, Add	323.74	
For Heavy Duty, Add	251.32	
33 39 13 00-0135 EA 24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type .....746.98	79.13	
For Malleable Iron Castings, Add	152.87	
For Ductile Iron Castings, Add	356.71	
For Heavy Duty, Add	273.31	
33 39 13 00-0136 EA 24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type .....822.60	87.83	
For Malleable Iron Castings, Add	167.65	
For Ductile Iron Castings, Add	391.18	
For Heavy Duty, Add	301.10	
33 39 13 00-0137 EA 24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type .....966.05	87.83	
For Malleable Iron Castings, Add	210.68	
For Ductile Iron Castings, Add	491.60	
For Heavy Duty, Add	351.31	
33 39 13 00-0138 EA 26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type .....960.45	94.96	
For Malleable Iron Castings, Add	202.34	
For Ductile Iron Castings, Add	472.12	
For Heavy Duty, Add	350.46	
33 39 13 00-0139 EA 30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type .....1,086.80	98.91	
For Malleable Iron Castings, Add	237.02	
For Ductile Iron Castings, Add	553.05	
For Heavy Duty, Add	395.22	
33 39 13 00-0140 EA 24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard.....748.15	87.83	
For Malleable Iron Castings, Add	145.31	
For Ductile Iron Castings, Add	339.07	
For Heavy Duty, Add	275.04	
33 39 13 00-0141 Watertight Type Manhole Covers And Frames <small>(33 39 13 00-0129)</small>		
33 39 13 00-0142 EA 20" Diameter x 200 LB Watertight Manhole Cover With Frame .....666.84	56.18	
For Malleable Iron Castings, Add	132.96	
For Ductile Iron Castings, Add	310.25	
33 39 13 00-0143 EA 22" Diameter x 300 LB Watertight Manhole Cover With Frame .....852.34	56.18	
For Malleable Iron Castings, Add	183.09	
For Ductile Iron Castings, Add	427.20	
33 39 13 00-0144 EA 24" Diameter x 350 LB Watertight Manhole Cover With Frame .....957.47	65.68	
For Malleable Iron Castings, Add	208.11	
For Ductile Iron Castings, Add	485.59	
33 39 13 00-0145 EA 26" Diameter x 500 LB Watertight Manhole Cover With Frame .....1,177.02	73.59	
For Malleable Iron Castings, Add	267.31	
For Ductile Iron Castings, Add	623.71	
33 39 13 00-0146 EA 30" Diameter x 550 LB Watertight Manhole Cover With Frame .....1,140.96	75.17	
For Malleable Iron Castings, Add	253.27	
For Ductile Iron Castings, Add	590.96	
33 39 13 00-0147 EA 32" Diameter x 575 LB Watertight Manhole Cover With Frame .....1,226.22	76.75	
For Malleable Iron Castings, Add	277.68	
For Ductile Iron Castings, Add	647.93	
33 39 13 00-0148 EA 36" Diameter x 600 LB Watertight Manhole Cover With Frame .....1,393.01	79.13	
For Malleable Iron Castings, Add	326.51	
For Ductile Iron Castings, Add	761.85	
33 39 13 00-0149 Aluminum Manhole Covers And Frames <small>(33 39 13 00-0129)</small>		
33 39 13 00-0150 EA 12" Square Aluminum Manhole Cover With Frame.....376.21	24.39	
33 39 13 00-0151 EA 18" Square Aluminum Manhole Cover With Frame.....645.66	27.01	
33 39 13 00-0152 EA 24" Square Aluminum Manhole Cover With Frame.....906.33	31.36	
33 39 13 00-0153 Remove And Reinstall Manhole Cover And Frame <small>(33 39 13 00-0129)</small> Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 39 13 00-0154 EA Remove And Reinstall Manhole Cover And Frame.....317.26		
33 39 13 00-0155 Rainguard Inflow Protectors <small>(33 39 13 00-0129)</small>		
33 39 13 00-0156 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....95.42	17.86	
33 39 13 00-0157 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....107.18	17.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0158 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	128.24	21.43
33 39 13 00-0159 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	135.66	21.43
33 39 13 00-0160 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	166.50	25.01
33 39 13 00-0161 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	175.62	25.01
33 39 13 00-0162 Adjust Frame And Cover To Grade (Monterey County) (33 39 13 00-0129)		
33 39 13 00-0163 EA Adjust Frame And Cover To Grade (Monterey County).....	517.04	
33 39 13 00-0164 Waste Water Collection System Taps (33 39 13)		
Note: For tapping existing structures only. Includes grout.		
33 39 13 00-0165 Brick Manhole Taps (33 39 13 00-0164)		
33 39 13 00-0166 EA 4" Tap In 6" Brick Manhole.....	366.23	
33 39 13 00-0167 EA 6" Tap In 6" Brick Manhole.....	409.71	
33 39 13 00-0168 EA 8" Tap In 6" Brick Manhole.....	452.42	
33 39 13 00-0169 EA 10" Tap In 6" Brick Manhole.....	495.03	
33 39 13 00-0170 EA 12" Tap In 6" Brick Manhole.....	545.21	
33 39 13 00-0171 EA 15" Tap In 6" Brick Manhole.....	587.74	
33 39 13 00-0172 Precast Concrete Manhole Tap (33 39 13 00-0164)		
33 39 13 00-0173 EA 4" Tap In 8" Thick Precast Concrete Manhole.....	537.39	
33 39 13 00-0174 EA 6" Tap In 8" Thick Precast Concrete Manhole.....	602.61	
33 39 13 00-0175 EA 8" Tap In 8" Thick Precast Concrete Manhole.....	672.91	
33 39 13 00-0176 EA 10" Tap In 8" Thick Precast Concrete Manhole.....	736.84	
33 39 13 00-0177 EA 12" Tap In 8" Thick Precast Concrete Manhole.....	800.64	
33 39 13 00-0178 EA 15" Tap In 8" Thick Precast Concrete Manhole.....	865.98	
33 40 Storm Drainage Utilities (33)		
33 41 Subdrainage (33 40)		
33 41 16 Subdrainage Piping (33 41)		
See CSI section 33 42 11 00-0248 for polyethylene drain pipe.		
33 41 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16)		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	4.55	3.27
33 41 16 00-0003 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	4.97	3.54
33 41 16 00-0004 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	6.70	4.24
33 41 16 00-0005 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	9.90	5.31
33 41 16 00-0006 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	15.23	6.06
33 41 16 00-0007 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	19.35	7.07
33 41 16 00-0008 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	32.99	8.49
33 41 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 (33 41 16)		
33 41 16 00-0010 LF 6" Perforated Non Reinforced Concrete Drainage Pipe.....	18.95	4.50
<i>For Extra Strength, Add</i>		
<i>For >1,000, Deduct</i>		
	1.11	
	-0.95	
33 41 16 00-0011 LF 8" Perforated Non Reinforced Concrete Drainage Pipe.....	22.04	5.25
<i>For Extra Strength, Add</i>		
<i>For >1,000, Deduct</i>		
	1.37	
	-1.10	
33 41 16 00-0012 LF 10" Perforated Non Reinforced Concrete Drainage Pipe.....	24.96	6.00
<i>For Extra Strength, Add</i>		
<i>For >1,000, Deduct</i>		
	1.60	
	-1.25	
33 41 16 00-0013 LF 12" Perforated Non Reinforced Concrete Drainage Pipe.....	29.68	7.50
<i>For Extra Strength, Add</i>		
<i>For >1,000, Deduct</i>		
	2.00	
	-1.48	
33 41 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 (33 41 16)		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0015 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	19.54	9.45
<i>For >1,000, Deduct</i>		
	-0.98	
33 41 16 00-0016 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	21.63	10.51
<i>For >1,000, Deduct</i>		
	-1.08	
33 41 16 00-0017 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	23.86	11.55
<i>For >1,000, Deduct</i>		
	-1.19	
33 41 16 00-0018 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	27.05	12.01
<i>For >1,000, Deduct</i>		
	-1.35	
33 41 16 00-0019 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	31.24	13.51
<i>For >1,000, Deduct</i>		
	-1.56	
33 41 16 00-0020 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	38.71	17.26
<i>For >1,000, Deduct</i>		
	-1.94	
33 41 16 00-0021 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	48.40	22.14
<i>For >1,000, Deduct</i>		
	-2.42	
33 41 16 00-0022 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	58.98	27.00
<i>For >1,000, Deduct</i>		
	-2.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 00-0023	Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
33 41 16 00-0024	LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	14.36 -0.72	4.50
33 41 16 00-0025	LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	18.24 -0.91	5.25
33 41 16 00-0026	LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	23.27 -1.16	6.00
33 41 16 00-0027	LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	34.05 -1.70	12.01
33 41 16 00-0028	LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	38.86 -1.94	13.51
33 41 16 00-0029	LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	50.15 -2.51	17.26

33 41 16 00-0030	Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16)</small>		
33 41 16 00-0031	LF 4" Perforated Vitrified Clay Drainage Pipe	12.57	6.00
33 41 16 00-0032	LF 6" Perforated Vitrified Clay Drainage Pipe	16.51	6.00
33 41 16 00-0033	LF 8" Perforated Vitrified Clay Drainage Pipe	19.22	6.00
33 41 16 00-0034	LF 10" Perforated Vitrified Clay Drainage Pipe	23.73	6.00
33 41 16 00-0035	LF 12" Perforated Vitrified Clay Drainage Pipe	28.57	6.00

33 41 16 00-0036	Geotextile Filter Fabric Sock <small>(33 41 16)</small>		
33 41 16 00-0037	LF 3" Geotextile Filter Fabric Sock.....	0.55	
33 41 16 00-0038	LF 4" Geotextile Filter Fabric Sock.....	0.71	
33 41 16 00-0039	LF 6" Geotextile Filter Fabric Sock.....	1.09	
33 41 16 00-0040	LF 8" Geotextile Filter Fabric Sock.....	1.46	
33 41 16 00-0041	LF 10" Geotextile Filter Fabric Sock.....	2.11	
33 41 16 00-0042	LF 12" Geotextile Filter Fabric Sock.....	2.83	
33 41 16 00-0043	LF 15" Geotextile Filter Fabric Sock.....	3.31	

33 41 16 00-0044	Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16)</small>		
	<i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 41 16 00-0045	LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	15.45 0.65	4.50
33 41 16 00-0046	LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	19.41 0.85	5.46
33 41 16 00-0047	LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	24.52 1.07	6.93
33 41 16 00-0048	LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	27.52 1.12	8.18
33 41 16 00-0049	LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	30.96 1.40	8.47
33 41 16 00-0050	LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	34.48 1.69	8.79
33 41 16 00-0051	LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe <i>For Full Perforated, Add</i>	38.51 2.01	9.19

33 41 16 00-0052	Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16)</small>		
	<i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 41 16 00-0053	LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	16.49 0.75	4.50
33 41 16 00-0054	LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	20.82 0.99	5.46
33 41 16 00-0055	LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	26.23 1.24	6.93
33 41 16 00-0056	LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	29.19 1.28	8.18
33 41 16 00-0057	LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	33.02 1.61	8.47
33 41 16 00-0058	LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	36.92 1.94	8.79
33 41 16 00-0059	LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe..... <i>For Full Perforated, Add</i>	41.37 2.30	9.19

33 41 16 00-0060	Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16)</small>		
	<i>Note: Perforations are located in the bottom quarter points of the pipe.</i>		
33 41 16 00-0061	LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	16.82 0.78	4.50
33 41 16 00-0062	LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	21.25 1.03	5.46
33 41 16 00-0063	LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	26.78 1.29	6.93
33 41 16 00-0064	LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	33.30 1.69	8.18



	Utilities	33	
	Storm Drainage Utilities	33 40	CS
	Subdrainage	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0065	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	38.14 2.12	8.47
33 41 16 00-0066	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	43.14 2.56	8.79
33 41 16 00-0067	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe <i>For Full Perforated, Add</i>	48.61 3.02	9.19
33 41 16 00-0068			Prefabricated Composite Drains <small>(33 41 16)</small>		
33 41 16 00-0069			Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) <small>(33 41 16 00-0068)</small> Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 00-0070	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	6.75 1.05	1.70
33 41 16 00-0071	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	29.67	
33 41 16 00-0072	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	29.67	
33 41 16 00-0073	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	54.09	
33 41 16 00-0074	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	54.09	
33 41 16 00-0075	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)..... <i>For External Typar Geotextile Wrap, Add</i>	10.44 1.58	2.12
33 41 16 00-0076	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	42.21	
33 41 16 00-0077	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	42.21	
33 41 16 00-0078	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	59.43	
33 41 16 00-0079	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	59.43	
33 41 19			Underslab Drainage <small>(33 41)</small>		
33 41 19 00-0001			Capillary Water Barrier Underslab Drainage <small>(33 41 19)</small> Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 00-0002	CY		2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	47.13	
33 41 19 00-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	45.13	
33 41 19 00-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	44.33	
33 41 19 00-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	43.13	
33 42			Stormwater Conveyance <small>(33 40)</small> Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 42 11			Stormwater Gravity Piping <small>(33 42)</small>		
33 42 11 00-0001			Reinforced Concrete Piping <small>(33 42 11)</small>		
33 42 11 00-0002			Class 3 Reinforced Concrete Pipe Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	33.93 -1.70 1.51 4.78	12.60
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	40.41 -2.02 1.94 6.11	14.02
33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	46.43 -2.32 2.04 6.43	17.49
33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	59.37 -2.97 2.65 8.36	22.06
33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	69.79 -3.49 3.00 9.46	26.78
33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	87.11 -4.36 3.78 11.94	33.12
33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	92.48 -4.62 4.09 12.91	34.20
33 42 11 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	113.32 -5.67 5.55 17.51	38.86
33 42 11 00-0011	LF		42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	144.94 -7.25 8.02 25.34	42.75

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	172.77	47.61
			<i>For >1,000, Deduct</i>	-8.64	
			<i>For Class 4, Add</i>	9.95	
			<i>For Class 5, Add</i>	31.43	
33 42 11 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	213.76	54.41
			<i>For >1,000, Deduct</i>	-10.69	
			<i>For Class 4, Add</i>	12.92	
			<i>For Class 5, Add</i>	40.81	
33 42 11 00-0014	LF		60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	257.47	63.11
			<i>For >1,000, Deduct</i>	-12.87	
			<i>For Class 4, Add</i>	15.89	
			<i>For Class 5, Add</i>	50.19	
33 42 11 00-0015	LF		66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	389.72	69.96
			<i>For >1,000, Deduct</i>	-19.49	
			<i>For Class 4, Add</i>	27.57	
			<i>For Class 5, Add</i>	87.07	
33 42 11 00-0016	LF		72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	453.37	76.17
			<i>For >1,000, Deduct</i>	-22.67	
			<i>For Class 4, Add</i>	32.73	
			<i>For Class 5, Add</i>	103.37	
33 42 11 00-0017	LF		78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	543.68	85.50
			<i>For >1,000, Deduct</i>	-27.18	
			<i>For Class 4, Add</i>	40.02	
			<i>For Class 5, Add</i>	126.38	
33 42 11 00-0018	LF		84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	696.43	95.22
			<i>For >1,000, Deduct</i>	-34.82	
			<i>For Class 4, Add</i>	53.24	
			<i>For Class 5, Add</i>	168.12	
33 42 11 00-0019	LF		23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	79.61	23.26
			<i>For >1,000, Deduct</i>	-3.98	
			<i>For Class 4, Add</i>	4.41	
			<i>For Class 5, Add</i>	13.92	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	4.64	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	10.21	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	22.27	
33 42 11 00-0020	LF		30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	111.58	35.62
			<i>For >1,000, Deduct</i>	-5.58	
			<i>For Class 4, Add</i>	5.77	
			<i>For Class 5, Add</i>	18.21	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.07	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	13.35	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	29.13	
33 42 11 00-0021	LF		34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	130.78	44.05
			<i>For >1,000, Deduct</i>	-6.54	
			<i>For Class 4, Add</i>	6.45	
			<i>For Class 5, Add</i>	20.36	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.79	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	14.93	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	32.57	
33 42 11 00-0022	LF		38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	145.25	46.02
			<i>For >1,000, Deduct</i>	-7.26	
			<i>For Class 4, Add</i>	7.55	
			<i>For Class 5, Add</i>	23.85	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	7.95	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	17.49	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	38.16	
33 42 11 00-0023	LF		42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	166.09	48.59
			<i>For >1,000, Deduct</i>	-8.30	
			<i>For Class 4, Add</i>	9.18	
			<i>For Class 5, Add</i>	29.00	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	9.67	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	21.27	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	46.40	
33 42 11 00-0024	LF		45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	186.94	51.16
			<i>For >1,000, Deduct</i>	-9.35	
			<i>For Class 4, Add</i>	10.82	
			<i>For Class 5, Add</i>	34.16	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	11.39	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	25.05	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	54.65	
33 42 11 00-0025	LF		53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	226.89	56.30
			<i>For >1,000, Deduct</i>	-11.34	
			<i>For Class 4, Add</i>	13.91	
			<i>For Class 5, Add</i>	43.94	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	14.65	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	32.22	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	70.30	
33 42 11 00-0026	LF		60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	272.68	63.32
			<i>For >1,000, Deduct</i>	-13.63	
			<i>For Class 4, Add</i>	17.31	
			<i>For Class 5, Add</i>	54.67	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	18.22	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	40.09	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	87.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0027 LF 68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	331.15	72.36
<i>For >1,000, Deduct</i>	-16.56	
<i>For Class 4, Add</i>	21.64	
<i>For Class 5, Add</i>	68.33	
<i>For Horizontal Elliptical - II (HE- II), Add</i>	22.78	
<i>For Horizontal Elliptical - III (HE- III), Add</i>	50.11	
<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	109.33	
33 42 11 00-0028 LF 76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	409.95	83.95
<i>For >1,000, Deduct</i>	-20.50	
<i>For Class 4, Add</i>	27.55	
<i>For Class 5, Add</i>	87.01	
<i>For Horizontal Elliptical - II (HE- II), Add</i>	29.00	
<i>For Horizontal Elliptical - III (HE- III), Add</i>	63.81	
<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	139.21	
33 42 11 00-0029 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0030 EA 12" Concrete Reducing Wye Without Gaskets.....	383.91	48.02
33 42 11 00-0031 EA 15" Concrete Reducing Wye Without Gaskets.....	460.67	58.52
33 42 11 00-0032 EA 18" Concrete Reducing Wye Without Gaskets.....	567.04	64.52
33 42 11 00-0033 EA 21" Concrete Reducing Wye Without Gaskets.....	652.43	79.52
33 42 11 00-0034 EA 24" Concrete Reducing Wye Without Gaskets.....	739.01	96.03
33 42 11 00-0035 Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0036 EA 12" Diameter Concrete Pipe Joint Gasket.....	3.53	
33 42 11 00-0037 EA 15" Diameter Concrete Pipe Joint Gasket.....	4.18	
33 42 11 00-0038 EA 18" Diameter Concrete Pipe Joint Gasket.....	4.84	
33 42 11 00-0039 EA 21" Diameter Concrete Pipe Joint Gasket.....	5.85	
33 42 11 00-0040 EA 24" Diameter Concrete Pipe Joint Gasket.....	6.85	
33 42 11 00-0041 EA 27" Diameter Concrete Pipe Joint Gasket.....	7.63	
33 42 11 00-0042 EA 30" Diameter Concrete Pipe Joint Gasket.....	8.39	
33 42 11 00-0043 EA 36" Diameter Concrete Pipe Joint Gasket.....	10.25	
33 42 11 00-0044 EA 42" Diameter Concrete Pipe Joint Gasket.....	11.88	
33 42 11 00-0045 EA 48" Diameter Concrete Pipe Joint Gasket.....	13.70	
33 42 11 00-0046 EA 54" Diameter Concrete Pipe Joint Gasket.....	16.80	
33 42 11 00-0047 EA 60" Diameter Concrete Pipe Joint Gasket.....	24.86	
33 42 11 00-0048 EA 66" Diameter Concrete Pipe Joint Gasket.....	12.92	
33 42 11 00-0049 EA 72" Diameter Concrete Pipe Joint Gasket.....	26.80	
33 42 11 00-0050 EA 78" Diameter Concrete Pipe Joint Gasket.....	15.42	
33 42 11 00-0051 EA 84" Diameter Concrete Pipe Joint Gasket.....	18.49	
33 42 11 00-0052 Precast Concrete End Sections (33 42 11 00-0001)		
33 42 11 00-0053 Precast Concrete End Sections (33 42 11 00-0052)		
33 42 11 00-0054 EA 12" Diameter Pipe, Precast Concrete End Section.....	587.23	88.00
33 42 11 00-0055 EA 15" Diameter Pipe, Precast Concrete End Section.....	790.49	108.94
33 42 11 00-0056 EA 18" Diameter Pipe, Precast Concrete End Section.....	978.02	137.89
33 42 11 00-0057 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,120.78	164.91
33 42 11 00-0058 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,187.45	190.87
33 42 11 00-0059 EA 27" Diameter Pipe, Precast Concrete End Section.....	1,477.32	231.63
33 42 11 00-0060 EA 30" Diameter Pipe, Precast Concrete End Section.....	1,821.40	347.92
33 42 11 00-0061 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,246.13	439.01
33 42 11 00-0062 EA 42" Diameter Pipe, Precast Concrete End Section.....	2,711.86	550.71
33 42 11 00-0063 EA 48" Diameter Pipe, Precast Concrete End Section.....	2,967.07	621.06
33 42 11 00-0064 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,231.07	695.68
33 42 11 00-0065 EA 60" Diameter Pipe, Precast Concrete End Section.....	3,501.49	773.41
33 42 11 00-0066 EA 66" Diameter Pipe Precast Concrete End Section.....	3,560.07	639.59
33 42 11 00-0067 EA 72" Diameter Pipe Precast Concrete End Section.....	4,061.61	799.46
33 42 11 00-0068 EA 78" Diameter Pipe Precast Concrete End Section.....	4,817.45	999.32
33 42 11 00-0069 EA 84" Diameter Pipe Precast Concrete End Section.....	5,696.35	1,199.20
33 42 11 00-0070 Flared Precast Concrete End Sections (33 42 11 00-0052)		
33 42 11 00-0071 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	738.37	90.55
33 42 11 00-0072 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	888.27	112.86
33 42 11 00-0073 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,076.71	142.87
33 42 11 00-0074 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,228.15	170.85
33 42 11 00-0075 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,501.69	197.75
33 42 11 00-0076 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	1,788.83	315.81
33 42 11 00-0077 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	1,830.66	434.82
33 42 11 00-0078 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,484.55	548.76
33 42 11 00-0079 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	2,972.85	688.53
33 42 11 00-0080 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,207.73	776.52
33 42 11 00-0081 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	3,587.54	869.71
33 42 11 00-0082 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	3,974.01	966.02
33 42 11 00-0083 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	4,639.28	1,113.00
33 42 11 00-0084 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	5,427.13	1,242.27
33 42 11 00-0085 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	6,157.37	1,397.49
33 42 11 00-0086 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	7,119.91	1,552.57

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0087			Couplings (33 42 11 00-0001)		
33 42 11 00-0088			Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 42 11 00-0087)		
			Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-0089	EA		4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	29.96	
33 42 11 00-0090	EA		4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	27.62	
33 42 11 00-0091	EA		6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	47.41	
33 42 11 00-0092	EA		6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	49.30	
33 42 11 00-0093	EA		6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	45.68	
33 42 11 00-0094	EA		8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	70.62	
33 42 11 00-0095	EA		8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	60.81	
33 42 11 00-0096	EA		10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	89.15	
33 42 11 00-0097	EA		10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	78.80	
33 42 11 00-0098	EA		12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	107.96	
33 42 11 00-0099	EA		12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	90.02	
33 42 11 00-0100	EA		15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	283.75	
33 42 11 00-0101			Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0102			150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0101)		
33 42 11 00-0103			150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0102)		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0104	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	86.59	12.60
			For >1,000, Deduct	-4.33	
			For 100 PSI, Deduct	-17.15	
33 42 11 00-0105	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	92.58	14.02
			For >1,000, Deduct	-4.63	
			For 100 PSI, Deduct	-18.14	
33 42 11 00-0106	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	101.51	17.49
			For >1,000, Deduct	-5.08	
			For 100 PSI, Deduct	-19.13	
33 42 11 00-0107	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	112.00	22.06
			For >1,000, Deduct	-5.60	
			For 100 PSI, Deduct	-20.12	
33 42 11 00-0108	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	122.72	26.78
			For >1,000, Deduct	-6.14	
			For 100 PSI, Deduct	-21.12	
33 42 11 00-0109	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	144.01	34.20
			For >1,000, Deduct	-7.20	
			For 100 PSI, Deduct	-23.64	
33 42 11 00-0110	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	159.62	38.86
			For >1,000, Deduct	-7.98	
			For 100 PSI, Deduct	-26.17	
33 42 11 00-0111	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	184.64	42.75
			For >1,000, Deduct	-9.23	
			For 100 PSI, Deduct	-31.04	
33 42 11 00-0112	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	211.66	47.61
			For >1,000, Deduct	-10.58	
			For 100 PSI, Deduct	-35.91	
33 42 11 00-0113	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	279.11	60.96
			For >1,000, Deduct	-13.96	
			For 100 PSI, Deduct	-48.01	
33 42 11 00-0114	LF		60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	335.63	70.72
			For >1,000, Deduct	-16.78	
			For 100 PSI, Deduct	-58.65	
33 42 11 00-0115	LF		66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	376.75	78.37
			For >1,000, Deduct	-18.84	
			For 100 PSI, Deduct	-66.32	
33 42 11 00-0116	LF		72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	419.70	85.34
			For >1,000, Deduct	-20.99	
			For 100 PSI, Deduct	-74.45	
33 42 11 00-0117	LF		78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	476.44	95.79
			For >1,000, Deduct	-23.82	
			For 100 PSI, Deduct	-84.82	
33 42 11 00-0118	LF		84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	533.18	106.67
			For >1,000, Deduct	-26.66	
			For 100 PSI, Deduct	-95.20	
33 42 11 00-0119	LF		90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	656.77	124.53
			For >1,000, Deduct	-32.84	
			For 100 PSI, Deduct	-119.56	
33 42 11 00-0120	LF		96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	771.65	142.21
			For >1,000, Deduct	-38.58	
			For 100 PSI, Deduct	-142.12	
33 42 11 00-0121	LF		102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	897.94	154.82
			For >1,000, Deduct	-44.90	
			For 100 PSI, Deduct	-169.19	
33 42 11 00-0122	LF		108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,010.89	164.42
			For >1,000, Deduct	-50.54	
			For 100 PSI, Deduct	-194.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0123 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,214.08	174.00
For >1,000, Deduct	-60.70	
For 100 PSI, Deduct	-241.38	
33 42 11 00-0124 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,407.09	182.78
For >1,000, Deduct	-70.35	
For 100 PSI, Deduct	-286.50	
33 42 11 00-0125 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,531.54	191.55
For >1,000, Deduct	-76.58	
For 100 PSI, Deduct	-314.47	
33 42 11 00-0126 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,657.76	200.33
For >1,000, Deduct	-82.89	
For 100 PSI, Deduct	-342.89	
33 42 11 00-0127 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,783.10	209.12
For >1,000, Deduct	-89.16	
For 100 PSI, Deduct	-371.09	
33 42 11 00-0128 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,908.43	217.89
For >1,000, Deduct	-95.42	
For 100 PSI, Deduct	-399.29	
33 42 11 00-0129 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33		
<small>42 11 00-0102)</small>		
33 42 11 00-0130 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	328.37	118.17
33 42 11 00-0131 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	456.72	168.81
33 42 11 00-0132 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	590.92	225.07
33 42 11 00-0133 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	725.10	281.34
33 42 11 00-0134 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	884.05	349.62
33 42 11 00-0135 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,127.45	468.90
33 42 11 00-0136 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,376.74	544.11
33 42 11 00-0137 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,603.97	635.04
33 42 11 00-0138 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,810.08	725.21
33 42 11 00-0139 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,232.05	905.55
33 42 11 00-0140 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,921.07	1,219.19
33 42 11 00-0141 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,261.06	1,349.81
33 42 11 00-0142 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,601.06	1,480.44
33 42 11 00-0143 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,287.77	1,698.15
33 42 11 00-0144 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,969.67	1,915.86
33 42 11 00-0145 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,862.72	2,177.12
33 42 11 00-0146 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,750.96	2,438.37
33 42 11 00-0147 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,986.27	3,112.71
33 42 11 00-0148 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,147.99	3,735.26
33 42 11 00-0149 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,539.87	4,980.34
33 42 11 00-0150 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,872.82	6,225.42
33 42 11 00-0151 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,045.18	6,714.57
33 42 11 00-0152 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,220.85	7,203.70
33 42 11 00-0153 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,311.68	7,692.85
33 42 11 00-0154 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	26,614.39	8,181.98
33 42 11 00-0155 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33		
<small>42 11 00-0102)</small>		
33 42 11 00-0156 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	309.96	118.17
33 42 11 00-0157 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	432.90	168.81
33 42 11 00-0158 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	562.76	225.07
33 42 11 00-0159 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	692.62	281.34
33 42 11 00-0160 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	847.23	349.62
33 42 11 00-0161 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,076.92	437.39
33 42 11 00-0162 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,318.99	544.11
33 42 11 00-0163 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,537.20	635.04
33 42 11 00-0164 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,738.25	725.21
33 42 11 00-0165 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,124.53	905.55
33 42 11 00-0166 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,823.85	1,219.19
33 42 11 00-0167 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,156.80	1,349.81
33 42 11 00-0168 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,489.75	1,480.44
33 42 11 00-0169 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,027.95	1,698.15
33 42 11 00-0170 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,561.34	1,915.86
33 42 11 00-0171 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,347.41	2,177.12
33 42 11 00-0172 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,128.66	2,438.37
33 42 11 00-0173 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,940.09	3,047.96
33 42 11 00-0174 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,936.92	3,735.26
33 42 11 00-0175 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,034.15	4,980.34
33 42 11 00-0176 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,072.45	6,225.42
33 42 11 00-0177 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,848.41	6,714.57
33 42 11 00-0178 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,627.68	8,181.98
33 42 11 00-0179 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,411.43	7,692.85
33 42 11 00-0180 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,435.64	8,181.98
33 42 11 00-0181 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0101)		
33 42 11 00-0182 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11		
<small>00-0181)</small>		
Note: AWWA C301		

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0183 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	167.74	34.20
For >1,000, Deduct	-8.39	
33 42 11 00-0184 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	203.46	38.86
For >1,000, Deduct	-10.17	
33 42 11 00-0185 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	236.68	42.75
For >1,000, Deduct	-11.83	
33 42 11 00-0186 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints		
Joints <small>(33 42 11 00-0181)</small>		
Note: AWWA C301		
33 42 11 00-0187 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	316.19	47.57
For >1,000, Deduct	-15.81	
33 42 11 00-0188 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	379.44	60.96
For >1,000, Deduct	-18.97	
33 42 11 00-0189 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	437.53	70.72
For >1,000, Deduct	-21.88	
33 42 11 00-0190 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	492.14	78.37
For >1,000, Deduct	-24.61	
33 42 11 00-0191 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	593.60	85.34
For >1,000, Deduct	-29.68	
33 42 11 00-0192 Welded Joints For Prestressed Concrete Cylinder Pipe <small>(33 42 11 00-0181)</small>		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0193 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,149.47	
33 42 11 00-0194 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,234.61	
33 42 11 00-0195 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,277.18	
33 42 11 00-0196 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,447.48	
33 42 11 00-0197 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,490.05	
33 42 11 00-0198 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,575.19	
33 42 11 00-0199 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,617.77	
33 42 11 00-0200 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,660.34	
33 42 11 00-0201 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 42 11 00-0202 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 42 11 00-0203 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 42 11 00-0204 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 42 11 00-0205 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 42 11 00-0206 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 42 11 00-0207 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 42 11 00-0208 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 42 11 00-0209 Quick Test Joints <small>(33 42 11 00-0181)</small>		
33 42 11 00-0210 EA 30" Quick Test Joint.....	327.77	
33 42 11 00-0211 EA 36" Quick Test Joint.....	331.66	
33 42 11 00-0212 EA 42" Quick Test Joint.....	335.55	
33 42 11 00-0213 EA 48" Quick Test Joint.....	343.10	
33 42 11 00-0214 EA 54" Quick Test Joint.....	361.21	
33 42 11 00-0215 EA 60" Quick Test Joint.....	376.00	
33 42 11 00-0216 EA 66" Quick Test Joint.....	396.90	
33 42 11 00-0217 EA 72" Quick Test Joint.....	417.79	
33 42 11 00-0218 Harnessed Joints <small>(33 42 11 00-0181)</small>		
33 42 11 00-0219 Harness Clamp Restrained Joints <small>(33 42 11 00-0218)</small>		
33 42 11 00-0220 EA 30" Harness Clamp Restrained Joint.....	2,853.82	
33 42 11 00-0221 EA 36" Harness Clamp Restrained Joint.....	2,965.08	
33 42 11 00-0222 EA 42" Harness Clamp Restrained Joint.....	3,076.34	
33 42 11 00-0223 EA 48" Harness Clamp Restrained Joint.....	3,187.60	
33 42 11 00-0224 EA 54" Harness Clamp Restrained Joint.....	3,308.21	
33 42 11 00-0225 EA 60" Harness Clamp Restrained Joint.....	3,477.96	
33 42 11 00-0226 EA 66" Harness Clamp Restrained Joint.....	3,594.05	
33 42 11 00-0227 EA 72" Harness Clamp Restrained Joint.....	3,849.71	
33 42 11 00-0228 Snap Ring Restrained Joints <small>(33 42 11 00-0218)</small>		
33 42 11 00-0229 EA 30" Snap Ring Restrained Joint.....	491.66	
33 42 11 00-0230 EA 36" Snap Ring Restrained Joint.....	559.97	
33 42 11 00-0231 EA 42" Snap Ring Restrained Joint.....	746.40	
33 42 11 00-0232 EA 48" Snap Ring Restrained Joint.....	846.92	
33 42 11 00-0233 EA 54" Snap Ring Restrained Joint.....	956.79	
33 42 11 00-0234 EA 60" Snap Ring Restrained Joint.....	1,083.60	
33 42 11 00-0235 EA 66" Snap Ring Restrained Joint.....	1,199.68	
33 42 11 00-0236 EA 72" Snap Ring Restrained Joint.....	1,337.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0237 Pipe Repairs <small>(33 42 11 00-0181)</small>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0238 Lined Cylinder Pipe Repair <small>(33 42 11 00-0237)</small>		
33 42 11 00-0239 EA 30" Lined Cylinder Pipe Repair	4,479.88	
33 42 11 00-0240 EA 36" Lined Cylinder Pipe Repair	5,548.18	
33 42 11 00-0241 EA 42" Lined Cylinder Pipe Repair	6,536.98	
33 42 11 00-0242 Embedded Cylinder Pipe Repair <small>(33 42 11 00-0237)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0243 EA 48" Embedded Cylinder Pipe Repair	9,583.97	
33 42 11 00-0244 EA 54" Embedded Cylinder Pipe Repair	11,108.65	
33 42 11 00-0245 EA 60" Embedded Cylinder Pipe Repair	12,646.39	
33 42 11 00-0246 EA 66" Embedded Cylinder Pipe Repair	14,285.41	
33 42 11 00-0247 EA 72" Embedded Cylinder Pipe Repair	17,109.26	
33 42 11 00-0248 High Density Polyethylene (HDPE) Piping <small>(33 42 11)</small>		
33 42 11 00-0249 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0248)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0250 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0251 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.08	5.11
For <100, Add	2.04	
For >1,000, Deduct	-0.55	
33 42 11 00-0252 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.06	5.94
For <100, Add	2.38	
For >1,000, Deduct	-0.70	
33 42 11 00-0253 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.08	6.91
For <100, Add	2.76	
For >1,000, Deduct	-0.85	
33 42 11 00-0254 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.01	7.15
For <100, Add	2.86	
For >1,000, Deduct	-0.95	
33 42 11 00-0255 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.91	7.40
For <100, Add	2.96	
For >1,000, Deduct	-1.00	
33 42 11 00-0256 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.18	7.67
For <100, Add	3.07	
For >1,000, Deduct	-1.11	
33 42 11 00-0257 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.10	7.95
For <100, Add	3.18	
For >1,000, Deduct	-1.31	
33 42 11 00-0258 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.88	9.31
For <100, Add	3.72	
For >1,000, Deduct	-1.74	
33 42 11 00-0259 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.09	12.53
For <100, Add	5.01	
For >1,000, Deduct	-2.45	
33 42 11 00-0260 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	64.15	15.84
For <100, Add	6.34	
For >1,000, Deduct	-3.21	
33 42 11 00-0261 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0262 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.82	7.40
For <100, Add	2.96	
For >1,000, Deduct	-0.99	
33 42 11 00-0263 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.54	7.67
For <100, Add	3.07	
For >1,000, Deduct	-1.13	
33 42 11 00-0264 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.64	7.95
For <100, Add	3.18	
For >1,000, Deduct	-1.33	
33 42 11 00-0265 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.73	9.31
For <100, Add	3.72	
For >1,000, Deduct	-1.79	
33 42 11 00-0266 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.43	12.53
For <100, Add	5.01	
For >1,000, Deduct	-2.57	
33 42 11 00-0267 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.89	15.84
For <100, Add	6.34	
For >1,000, Deduct	-3.29	
33 42 11 00-0268 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	83.96	17.28
For <100, Add	6.91	
For >1,000, Deduct	-4.20	

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0269 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	91.93 7.80 -4.60	19.50
33 42 11 00-0270 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0248) Note: Excludes couplings and gaskets.		
33 42 11 00-0271 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0270)		
33 42 11 00-0272 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	10.75 2.04 -0.54	5.11
33 42 11 00-0273 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	13.05 2.38 -0.65	5.94
33 42 11 00-0274 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	15.89 2.76 -0.79	6.91
33 42 11 00-0275 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	18.14 2.86 -0.91	7.15
33 42 11 00-0276 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.58 2.96 -0.98	7.40
33 42 11 00-0277 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.28 3.07 -1.11	7.67
33 42 11 00-0278 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.77 3.18 -1.34	7.95
33 42 11 00-0279 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.61 3.72 -1.78	9.31
33 42 11 00-0280 Perforated, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0248) Note: Excludes couplings and gaskets.		
33 42 11 00-0281 Coupled, Perforated High Density Polyethylene (HDPE) Piping (33 42 11 00-0280)		
33 42 11 00-0282 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	11.53 2.04 -0.58	5.11
33 42 11 00-0283 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	14.07 2.38 -0.70	5.94
33 42 11 00-0284 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	17.08 2.76 -0.85	6.91
33 42 11 00-0285 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.02 2.86 -0.95	7.15
33 42 11 00-0286 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.91 2.96 -1.00	7.40
33 42 11 00-0287 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.19 3.07 -1.11	7.67
33 42 11 00-0288 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.11 3.18 -1.31	7.95
33 42 11 00-0289 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	34.88 3.72 -1.74	9.31
33 42 11 00-0290 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	49.24 5.01 -2.46	12.53
33 42 11 00-0291 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	64.15 6.34 -3.21	15.84
33 42 11 00-0292 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0280)		
33 42 11 00-0293 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.84 2.96 -0.99	7.40
33 42 11 00-0294 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.55 3.07 -1.13	7.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0295 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.65	7.95
For <100, Add	3.18	
For >1,000, Deduct	-1.33	
33 42 11 00-0296 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.73	9.31
For <100, Add	3.72	
For >1,000, Deduct	-1.79	
33 42 11 00-0297 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	51.43	12.53
For <100, Add	5.01	
For >1,000, Deduct	-2.57	
33 42 11 00-0298 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	65.89	15.84
For <100, Add	6.34	
For >1,000, Deduct	-3.29	
33 42 11 00-0299 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	83.96	17.28
For <100, Add	6.91	
For >1,000, Deduct	-4.20	
33 42 11 00-0300 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	91.93	19.50
For <100, Add	7.80	
For >1,000, Deduct	-4.60	
33 42 11 00-0301 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0280)</small>		
33 42 11 00-0302 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.03	5.11
For <100, Add	2.04	
For >1,000, Deduct	-0.55	
33 42 11 00-0303 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.05	5.94
For <100, Add	2.38	
For >1,000, Deduct	-0.65	
33 42 11 00-0304 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.83	6.91
For <100, Add	2.76	
For >1,000, Deduct	-0.79	
33 42 11 00-0305 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.14	7.15
For <100, Add	2.86	
For >1,000, Deduct	-0.91	
33 42 11 00-0306 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.58	7.40
For <100, Add	2.96	
For >1,000, Deduct	-0.98	
33 42 11 00-0307 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.28	7.67
For <100, Add	3.07	
For >1,000, Deduct	-1.11	
33 42 11 00-0308 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.77	7.95
For <100, Add	3.18	
For >1,000, Deduct	-1.34	
33 42 11 00-0309 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.61	9.31
For <100, Add	3.72	
For >1,000, Deduct	-1.78	
33 42 11 00-0310 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0248)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0311 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0310)</small>		
33 42 11 00-0312 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	31.45	18.16
33 42 11 00-0313 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	37.55	21.19
33 42 11 00-0314 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	50.38	25.74
33 42 11 00-0315 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	67.85	31.79
33 42 11 00-0316 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	92.21	37.85
33 42 11 00-0317 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	125.35	49.45
33 42 11 00-0318 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	174.83	66.60
33 42 11 00-0319 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	212.38	76.02
33 42 11 00-0320 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	317.47	87.79
33 42 11 00-0321 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	394.05	101.41
33 42 11 00-0322 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	598.39	121.09
33 42 11 00-0323 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	741.18	143.80
33 42 11 00-0324 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0310)</small>		
33 42 11 00-0325 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	35.88	18.16
33 42 11 00-0326 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	42.42	21.19
33 42 11 00-0327 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	53.45	25.74
33 42 11 00-0328 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	71.23	31.79
33 42 11 00-0329 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	103.11	37.85
33 42 11 00-0330 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	122.01	49.45
33 42 11 00-0331 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	168.32	66.60



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0332			22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0310)		
33 42 11 00-0333	EA		4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	20.41	12.11
33 42 11 00-0334	EA		6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	24.20	14.13
33 42 11 00-0335	EA		8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	31.13	17.15
33 42 11 00-0336	EA		10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	38.70	21.19
33 42 11 00-0337	EA		12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	49.48	25.23
33 42 11 00-0338	EA		15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	69.03	32.29
33 42 11 00-0339	EA		18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	93.43	44.40
33 42 11 00-0340	EA		24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	136.45	50.45
33 42 11 00-0341	EA		30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	175.60	58.52
33 42 11 00-0342	EA		36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	204.60	67.61
33 42 11 00-0343	EA		42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	254.62	80.73
33 42 11 00-0344	EA		48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	328.17	95.87
33 42 11 00-0345			45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0310)		
33 42 11 00-0346	EA		4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	20.89	12.11
33 42 11 00-0347	EA		6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	25.21	14.13
33 42 11 00-0348	EA		8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	31.65	17.15
33 42 11 00-0349	EA		10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	42.90	21.19
33 42 11 00-0350	EA		12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	49.48	25.23
33 42 11 00-0351	EA		15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	68.94	32.29
33 42 11 00-0352	EA		18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	100.20	44.40
33 42 11 00-0353	EA		24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	141.69	50.45
33 42 11 00-0354	EA		30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	175.85	58.52
33 42 11 00-0355	EA		36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	215.88	67.61
33 42 11 00-0356	EA		42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	298.14	80.73
33 42 11 00-0357	EA		48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	367.18	95.87
33 42 11 00-0358			Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0248)		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0359			Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0358)		
33 42 11 00-0360	EA		4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	28.46	18.16
33 42 11 00-0361	EA		6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	33.35	21.19
33 42 11 00-0362	EA		8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	43.65	25.74
33 42 11 00-0363	EA		10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	54.53	31.79
33 42 11 00-0364	EA		12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	69.66	37.85
33 42 11 00-0365	EA		15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	111.65	49.45
33 42 11 00-0366	EA		18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	142.55	66.60
33 42 11 00-0367	EA		24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	208.81	75.69
33 42 11 00-0368			Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0358)		
33 42 11 00-0369	EA		4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	28.65	18.16
33 42 11 00-0370	EA		6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	33.95	21.19
33 42 11 00-0371	EA		8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	49.93	25.74
33 42 11 00-0372			45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0358)		
33 42 11 00-0373	EA		4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	19.03	12.11
33 42 11 00-0374			90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0358)		
33 42 11 00-0375	EA		4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	19.23	12.11
33 42 11 00-0376	EA		6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	23.01	14.13
33 42 11 00-0377	EA		8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	29.55	17.15
33 42 11 00-0378	EA		10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	37.23	21.19
33 42 11 00-0379			Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0248)		
			Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0380			Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0379)		
33 42 11 00-0381	EA		4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.29	
33 42 11 00-0382	EA		6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.52	
33 42 11 00-0383	EA		8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.80	
33 42 11 00-0384	EA		10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.98	
33 42 11 00-0385	EA		12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.06	
33 42 11 00-0386	EA		15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.51	
33 42 11 00-0387	EA		18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	2.23	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0388 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.55	
33 42 11 00-0389 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.44	
33 42 11 00-0390 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.12	
33 42 11 00-0391 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.20	
33 42 11 00-0392 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	15.15	
33 42 11 00-0393 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE)		
Pipe <small>(33 42 11 00-0379)</small>		
33 42 11 00-0394 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.34	
33 42 11 00-0395 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.06	
33 42 11 00-0396 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.82	
33 42 11 00-0397 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.61	
33 42 11 00-0398 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.88	
33 42 11 00-0399 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.56	
33 42 11 00-0400 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.49	
33 42 11 00-0401 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.61	
33 42 11 00-0402 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	41.06	
33 42 11 00-0403 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	44.97	
33 42 11 00-0404 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.00	
33 42 11 00-0405 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	59.51	
33 42 11 00-0406 End Sections, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0379)</small>		
33 42 11 00-0407 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	33.32	15.13
33 42 11 00-0408 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	53.37	22.69
33 42 11 00-0409 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	68.60	28.37
33 42 11 00-0410 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	109.16	45.38
33 42 11 00-0411 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	125.13	51.06
33 42 11 00-0412 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	133.84	54.84
33 42 11 00-0413 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	151.80	60.52
33 42 11 00-0414 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	186.09	71.86
33 42 11 00-0415 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	306.37	81.31
33 42 11 00-0416 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	341.25	90.77
33 42 11 00-0417 Vitrified Clay Piping <small>(33 42 11)</small>		
33 42 11 00-0418 Extra Strength Vitrified Clay Piping <small>(33 42 11 00-0417)</small>		
33 42 11 00-0419 Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-0418)</small>		
Note: ASTM C700.		
33 42 11 00-0420 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	14.68	
For 3' Lengths, Add	1.08	
For 2' Lengths, Add	1.44	
For Standard Strength, Deduct	-0.36	
For >1,000, Deduct	-0.73	
33 42 11 00-0421 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	18.95	
For 3' Lengths, Add	1.68	
For 2' Lengths, Add	2.24	
For Standard Strength, Deduct	-0.56	
For >1,000, Deduct	-0.95	
33 42 11 00-0422 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	23.62	
For 3' Lengths, Add	2.40	
For 2' Lengths, Add	3.20	
For Standard Strength, Deduct	-0.80	
For >1,000, Deduct	-1.18	
33 42 11 00-0423 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	29.31	
For 3' Lengths, Add	3.68	
For 2' Lengths, Add	4.90	
For Standard Strength, Deduct	-1.23	
For >1,000, Deduct	-1.47	
33 42 11 00-0424 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	36.52	
For 3' Lengths, Add	5.19	
For 2' Lengths, Add	6.92	
For Standard Strength, Deduct	-1.73	
For >1,000, Deduct	-1.83	
33 42 11 00-0425 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	53.83	
For 3' Lengths, Add	9.73	
For 2' Lengths, Add	12.98	
For Standard Strength, Deduct	-3.24	
For >1,000, Deduct	-2.69	
33 42 11 00-0426 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	73.17	
For 3' Lengths, Add	13.95	
For 2' Lengths, Add	18.60	
For Standard Strength, Deduct	-4.65	
For >1,000, Deduct	-3.66	
33 42 11 00-0427 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	108.13	
For 3' Lengths, Add	22.35	
For 2' Lengths, Add	29.80	
For Standard Strength, Deduct	-7.45	
For >1,000, Deduct	-5.41	

33	Utilities
33 40	Storm Drainage Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0428 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe	138.17	
For 3' Lengths, Add	29.20	
For 2' Lengths, Add	38.93	
For Standard Strength, Deduct	-9.73	
For >1,000, Deduct	-6.91	
33 42 11 00-0429 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe	172.28	
For 3' Lengths, Add	36.41	
For 2' Lengths, Add	48.54	
For Standard Strength, Deduct	-12.14	
For >1,000, Deduct	-8.61	
33 42 11 00-0430 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe	203.21	
For 3' Lengths, Add	43.98	
For 2' Lengths, Add	58.64	
For Standard Strength, Deduct	-14.66	
For >1,000, Deduct	-10.16	
33 42 11 00-0431 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0418)		
Note: ASTM C425.		
33 42 11 00-0432 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe	17.55	
For 3' Lengths, Add	1.28	
For 2' Lengths, Add	1.70	
For Standard Strength, Deduct	-0.43	
For >1,000, Deduct	-0.88	
33 42 11 00-0433 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe	22.96	
For 3' Lengths, Add	2.08	
For 2' Lengths, Add	2.78	
For Standard Strength, Deduct	-0.69	
For >1,000, Deduct	-1.15	
33 42 11 00-0434 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe	28.54	
For 3' Lengths, Add	2.94	
For 2' Lengths, Add	3.92	
For Standard Strength, Deduct	-0.98	
For >1,000, Deduct	-1.43	
33 42 11 00-0435 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe	36.57	
For 3' Lengths, Add	4.83	
For 2' Lengths, Add	6.44	
For Standard Strength, Deduct	-1.61	
For >1,000, Deduct	-1.83	
33 42 11 00-0436 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe	44.22	
For 3' Lengths, Add	6.35	
For 2' Lengths, Add	8.46	
For Standard Strength, Deduct	-2.12	
For >1,000, Deduct	-2.21	
33 42 11 00-0437 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe	64.23	
For 3' Lengths, Add	11.57	
For 2' Lengths, Add	15.43	
For Standard Strength, Deduct	-3.86	
For >1,000, Deduct	-3.21	
33 42 11 00-0438 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe	88.48	
For 3' Lengths, Add	16.94	
For 2' Lengths, Add	22.59	
For Standard Strength, Deduct	-5.65	
For >1,000, Deduct	-4.42	
33 42 11 00-0439 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe	126.28	
For 3' Lengths, Add	25.77	
For 2' Lengths, Add	34.36	
For Standard Strength, Deduct	-8.59	
For >1,000, Deduct	-6.31	
33 42 11 00-0440 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe	164.37	
For 3' Lengths, Add	34.61	
For 2' Lengths, Add	46.14	
For Standard Strength, Deduct	-11.54	
For >1,000, Deduct	-8.22	
33 42 11 00-0441 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe	261.78	
For 3' Lengths, Add	60.20	
For 2' Lengths, Add	80.26	
For Standard Strength, Deduct	-20.07	
For >1,000, Deduct	-13.09	
33 42 11 00-0442 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe	363.52	
For 3' Lengths, Add	88.67	
For 2' Lengths, Add	118.23	
For Standard Strength, Deduct	-29.56	
For >1,000, Deduct	-18.18	
33 42 11 00-0443 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0417)		
33 42 11 00-0444 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0443)		
33 42 11 00-0445 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0444)		
33 42 11 00-0446 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	58.98	
33 42 11 00-0447 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	78.73	
33 42 11 00-0448 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	110.54	
33 42 11 00-0449 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	149.69	
33 42 11 00-0450 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	195.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0451 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	453.45	
33 42 11 00-0452 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	637.52	
33 42 11 00-0453 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	990.04	
33 42 11 00-0454 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,143.83	
33 42 11 00-0455 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,330.31	
33 42 11 00-0456 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,984.17	
33 42 11 00-0457 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0444)</small>		
33 42 11 00-0458 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	67.11	
33 42 11 00-0459 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	93.78	
33 42 11 00-0460 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	125.36	
33 42 11 00-0461 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	165.67	
33 42 11 00-0462 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	208.59	
33 42 11 00-0463 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	509.65	
33 42 11 00-0464 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	738.32	
33 42 11 00-0465 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	763.41	
33 42 11 00-0466 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,462.89	
33 42 11 00-0467 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,633.03	
33 42 11 00-0468 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,411.80	
33 42 11 00-0469 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0443)</small>		
33 42 11 00-0470 Plain End 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0469)</small>		
33 42 11 00-0471 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	70.06	
33 42 11 00-0472 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	92.08	
33 42 11 00-0473 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	126.15	
33 42 11 00-0474 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	166.76	
33 42 11 00-0475 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	215.08	
33 42 11 00-0476 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	474.82	
33 42 11 00-0477 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	664.19	
33 42 11 00-0478 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,023.68	
33 42 11 00-0479 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,184.68	
33 42 11 00-0480 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,381.24	
33 42 11 00-0481 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,040.80	
33 42 11 00-0482 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 42 11 00-0469)</small>		
33 42 11 00-0483 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	80.41	
33 42 11 00-0484 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	109.80	
33 42 11 00-0485 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	144.10	
33 42 11 00-0486 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	186.15	
33 42 11 00-0487 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	231.65	
33 42 11 00-0488 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	535.31	
33 42 11 00-0489 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	770.33	
33 42 11 00-0490 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,477.31	
33 42 11 00-0491 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,511.91	
33 42 11 00-0492 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,694.16	
33 42 11 00-0493 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,479.74	
33 42 11 00-0494 Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 42 11 00-0443)</small>		
33 42 11 00-0495 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 42 11 00-0494)</small>		
33 42 11 00-0496 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	78.29	
33 42 11 00-0497 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	101.11	
33 42 11 00-0498 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	134.96	
33 42 11 00-0499 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	175.34	
33 42 11 00-0500 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	219.33	
33 42 11 00-0501 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	483.69	
33 42 11 00-0502 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	673.63	
33 42 11 00-0503 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	968.40	
33 42 11 00-0504 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,341.66	
33 42 11 00-0505 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,427.67	
33 42 11 00-0506 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,036.67	
33 42 11 00-0507 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 42 11 00-0494)</small>		
33 42 11 00-0508 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	95.41	
33 42 11 00-0509 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	128.68	
33 42 11 00-0510 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	167.16	
33 42 11 00-0511 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	213.14	
33 42 11 00-0512 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	263.43	
33 42 11 00-0513 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	588.02	
33 42 11 00-0514 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	842.48	
33 42 11 00-0515 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,243.62	
33 42 11 00-0516 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,643.17	
33 42 11 00-0517 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,905.14	
33 42 11 00-0518 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	2,685.70	

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0519			Vitrified Clay Couplings <small>(33 42 11 00-0417)</small>		
33 42 11 00-0520			Vitrified Clay To Cast Iron Or Plastic Pipe Couplings <small>(33 42 11 00-0519)</small>		
			Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0521	EA		4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	27.90	
33 42 11 00-0522	EA		4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	27.62	
33 42 11 00-0523	EA		5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	38.57	
33 42 11 00-0524	EA		5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	36.26	
33 42 11 00-0525	EA		6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	47.41	
33 42 11 00-0526	EA		6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	49.42	
33 42 11 00-0527	EA		6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	44.99	
33 42 11 00-0528	EA		8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	65.86	
33 42 11 00-0529	EA		8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	60.81	
33 42 11 00-0530	EA		10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	86.61	
33 42 11 00-0531	EA		10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	78.80	
33 42 11 00-0532	EA		12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	107.96	
33 42 11 00-0533	EA		12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	90.02	
33 42 11 00-0534	EA		15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	183.69	
33 42 11 00-0535	EA		15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	140.94	
33 42 11 00-0536			Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings <small>(33 42 11 00-0519)</small>		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0537	EA		4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	41.13	
33 42 11 00-0538	EA		6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	54.15	
33 42 11 00-0539	EA		6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	56.99	
33 42 11 00-0540	EA		8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	59.75	
33 42 11 00-0541	EA		10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	72.96	
33 42 11 00-0542	EA		12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	84.16	
33 42 11 00-0543			Vitrified Clay To Plastic Pipe Non-Shear Couplings <small>(33 42 11 00-0519)</small>		
			Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0544	EA		4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	42.08	
33 42 11 00-0545	EA		6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	55.10	
33 42 11 00-0546	EA		6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	50.87	
33 42 11 00-0547	EA		8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	65.44	
33 42 11 00-0548	EA		10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	92.89	
33 42 11 00-0549	EA		12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	104.63	
33 42 11 00-0550			Corrugated Metal Piping <small>(33 42 11)</small>		
33 42 11 00-0551			Galvanized Corrugated Steel Piping <small>(33 42 11 00-0550)</small>		
33 42 11 00-0552			2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0551)</small>		
33 42 11 00-0553			16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0552)</small>		
33 42 11 00-0554	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	25.32	7.88
			For Bituminous Coated Pipe, Add	2.17	
			For Bituminous Coated And 25% Paved, Add	4.43	
			For Smooth-Flo, Add	7.91	
33 42 11 00-0555	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	28.21	8.25
			For Bituminous Coated Pipe, Add	2.72	
			For Bituminous Coated And 25% Paved, Add	5.57	
			For Smooth-Flo, Add	9.95	
33 42 11 00-0556	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	31.20	9.00
			For Bituminous Coated Pipe, Add	3.30	
			For Bituminous Coated And 25% Paved, Add	6.75	
			For Smooth-Flo, Add	12.06	
33 42 11 00-0557	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	35.28	9.76
			For Bituminous Coated Pipe, Add	3.95	
			For Bituminous Coated And 25% Paved, Add	8.08	
			For Smooth-Flo, Add	14.43	
33 42 11 00-0558	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	38.94	10.51
			For Bituminous Coated Pipe, Add	4.44	
			For Bituminous Coated And 25% Paved, Add	9.09	
			For Smooth-Flo, Add	16.23	
33 42 11 00-0559	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	51.53	13.51
			For Bituminous Coated Pipe, Add	5.77	
			For Bituminous Coated And 25% Paved, Add	11.80	
			For Smooth-Flo, Add	21.07	
33 42 11 00-0560	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	66.32	17.10
			For Bituminous Coated Pipe, Add	7.27	
			For Bituminous Coated And 25% Paved, Add	14.87	
			For Smooth-Flo, Add	26.56	
33 42 11 00-0561	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	75.14	20.21
			For Bituminous Coated Pipe, Add	8.61	
			For Bituminous Coated And 25% Paved, Add	17.60	
			For Smooth-Flo, Add	31.44	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0562 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	84.47 9.64 19.72 35.21	23.32
33 42 11 00-0563 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0552)}</small>		
33 42 11 00-0564 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	27.25 2.20 5.09 10.29	7.88
33 42 11 00-0565 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	30.59 2.76 6.38 12.90	8.25
33 42 11 00-0566 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	34.08 3.34 7.73 15.63	9.00
33 42 11 00-0567 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	38.60 3.97 9.19 18.58	9.76
33 42 11 00-0568 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	42.81 4.49 10.40 21.03	10.51
33 42 11 00-0569 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	56.25 5.77 13.36 27.01	13.51
33 42 11 00-0570 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	72.05 7.23 16.75 33.85	17.10
33 42 11 00-0571 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.70 8.51 19.71 39.85	20.21
33 42 11 00-0572 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	91.98 9.56 22.16 44.78	23.32
33 42 11 00-0573 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	109.43 11.76 27.25 55.08	26.43
33 42 11 00-0574 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0552)}</small>		
33 42 11 00-0575 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.04 3.82 6.90 13.26	9.00
33 42 11 00-0576 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	45.53 4.52 8.16 15.68	9.76
33 42 11 00-0577 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.70 5.12 9.25 17.77	9.76
33 42 11 00-0578 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	66.00 6.51 11.76 22.60	13.51
33 42 11 00-0579 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	83.63 8.05 14.54 27.94	17.10
33 42 11 00-0580 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	95.08 9.44 17.04 32.75	20.21
33 42 11 00-0581 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	107.31 10.65 19.24 36.98	23.32
33 42 11 00-0582 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	126.35 12.77 23.07 44.33	26.43

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0583	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	138.10	27.99
			<i>For Bituminous Coated Pipe, Add</i>	13.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.26	
			<i>For Smooth-Flo, Add</i>	48.55	
33 42 11 00-0584	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	167.15	34.20
			<i>For Bituminous Coated Pipe, Add</i>	17.03	
			<i>For Bituminous Coated And 25% Paved, Add</i>	30.76	
			<i>For Smooth-Flo, Add</i>	59.11	
33 42 11 00-0585			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
33 42 11 00-0586	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	94.46	17.10
			<i>For Bituminous Coated Pipe, Add</i>	10.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	17.11	
			<i>For Smooth-Flo, Add</i>	24.41	
33 42 11 00-0587	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	107.75	20.21
			<i>For Bituminous Coated Pipe, Add</i>	12.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.04	
			<i>For Smooth-Flo, Add</i>	28.60	
33 42 11 00-0588	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	121.69	23.32
			<i>For Bituminous Coated Pipe, Add</i>	13.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	22.65	
			<i>For Smooth-Flo, Add</i>	32.32	
33 42 11 00-0589	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	142.47	26.43
			<i>For Bituminous Coated Pipe, Add</i>	16.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	26.83	
			<i>For Smooth-Flo, Add</i>	38.28	
33 42 11 00-0590	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	156.03	27.99
			<i>For Bituminous Coated Pipe, Add</i>	17.64	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.46	
			<i>For Smooth-Flo, Add</i>	42.04	
33 42 11 00-0591	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	186.86	34.20
			<i>For Bituminous Coated Pipe, Add</i>	21.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	35.25	
			<i>For Smooth-Flo, Add</i>	50.29	
33 42 11 00-0592	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	227.66	49.75
			<i>For Bituminous Coated Pipe, Add</i>	22.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	37.85	
			<i>For Smooth-Flo, Add</i>	54.00	
33 42 11 00-0593			3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0551)		
33 42 11 00-0594			16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0593)		
33 42 11 00-0595	LF	36"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	76.26	17.10
			<i>For Bituminous Coated Pipe, Add</i>	8.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	18.16	
			<i>For Smooth-Flo, Add</i>	36.15	
33 42 11 00-0596	LF	42"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	86.53	20.21
			<i>For Bituminous Coated Pipe, Add</i>	9.39	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.32	
			<i>For Smooth-Flo, Add</i>	42.44	
33 42 11 00-0597	LF	48"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	97.30	23.32
			<i>For Bituminous Coated Pipe, Add</i>	10.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	23.91	
			<i>For Smooth-Flo, Add</i>	47.60	
33 42 11 00-0598	LF	54"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	115.54	26.43
			<i>For Bituminous Coated Pipe, Add</i>	12.87	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.21	
			<i>For Smooth-Flo, Add</i>	58.15	
33 42 11 00-0599	LF	60"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	125.89	27.99
			<i>For Bituminous Coated Pipe, Add</i>	14.02	
			<i>For Bituminous Coated And 25% Paved, Add</i>	31.82	
			<i>For Smooth-Flo, Add</i>	63.35	
33 42 11 00-0600	LF	66"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	156.99	34.20
			<i>For Bituminous Coated Pipe, Add</i>	18.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.87	
			<i>For Smooth-Flo, Add</i>	81.38	
33 42 11 00-0601	LF	72"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	194.88	49.75
			<i>For Bituminous Coated Pipe, Add</i>	19.19	
			<i>For Bituminous Coated And 25% Paved, Add</i>	43.56	
			<i>For Smooth-Flo, Add</i>	86.74	
33 42 11 00-0602	LF	78"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	210.73	54.41
			<i>For Bituminous Coated Pipe, Add</i>	20.38	
			<i>For Bituminous Coated And 25% Paved, Add</i>	46.27	
			<i>For Smooth-Flo, Add</i>	92.13	
33 42 11 00-0603	LF	84"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	224.47	58.29
			<i>For Bituminous Coated Pipe, Add</i>	21.57	
			<i>For Bituminous Coated And 25% Paved, Add</i>	48.97	
			<i>For Smooth-Flo, Add</i>	97.51	
33 42 11 00-0604	LF	90"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.21	62.18
			<i>For Bituminous Coated Pipe, Add</i>	22.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	51.69	
			<i>For Smooth-Flo, Add</i>	102.92	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0605 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	252.49	66.07
For Bituminous Coated Pipe, Add	23.96	
For Bituminous Coated And 25% Paved, Add	54.38	
For Smooth-Flo, Add	108.28	
33 42 11 00-0606 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	268.97	69.96
For Bituminous Coated Pipe, Add	25.16	
For Bituminous Coated And 25% Paved, Add	57.10	
For Smooth-Flo, Add	113.71	
33 42 11 00-0607 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33-42 11 00-0593)</small>		
33 42 11 00-0608 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	125.68	26.43
For Bituminous Coated Pipe, Add	14.89	
For Bituminous Coated And 25% Paved, Add	29.19	
For Smooth-Flo, Add	58.98	
33 42 11 00-0609 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	137.11	27.99
For Bituminous Coated Pipe, Add	16.26	
For Bituminous Coated And 25% Paved, Add	31.87	
For Smooth-Flo, Add	64.39	
33 42 11 00-0610 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	169.33	34.20
For Bituminous Coated Pipe, Add	20.47	
For Bituminous Coated And 25% Paved, Add	40.13	
For Smooth-Flo, Add	81.07	
33 42 11 00-0611 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	208.33	49.75
For Bituminous Coated Pipe, Add	21.88	
For Bituminous Coated And 25% Paved, Add	42.88	
For Smooth-Flo, Add	86.64	
33 42 11 00-0612 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.25	54.41
For Bituminous Coated Pipe, Add	23.29	
For Bituminous Coated And 25% Paved, Add	45.64	
For Smooth-Flo, Add	92.21	
33 42 11 00-0613 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	240.13	58.29
For Bituminous Coated Pipe, Add	24.71	
For Bituminous Coated And 25% Paved, Add	48.42	
For Smooth-Flo, Add	97.84	
33 42 11 00-0614 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	254.93	62.18
For Bituminous Coated Pipe, Add	26.11	
For Bituminous Coated And 25% Paved, Add	51.18	
For Smooth-Flo, Add	103.41	
33 42 11 00-0615 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	270.31	66.07
For Bituminous Coated Pipe, Add	27.52	
For Bituminous Coated And 25% Paved, Add	53.94	
For Smooth-Flo, Add	108.98	
33 42 11 00-0616 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	287.87	69.96
For Bituminous Coated Pipe, Add	28.94	
For Bituminous Coated And 25% Paved, Add	56.71	
For Smooth-Flo, Add	114.59	
33 42 11 00-0617 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	307.22	77.73
For Bituminous Coated Pipe, Add	30.35	
For Bituminous Coated And 25% Paved, Add	59.49	
For Smooth-Flo, Add	120.19	
33 42 11 00-0618 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	326.13	85.50
For Bituminous Coated Pipe, Add	31.74	
For Bituminous Coated And 25% Paved, Add	62.21	
For Smooth-Flo, Add	125.70	
33 42 11 00-0619 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33-42 11 00-0593)</small>		
33 42 11 00-0620 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	161.99	27.99
For Bituminous Coated Pipe, Add	21.24	
For Bituminous Coated And 25% Paved, Add	40.45	
For Smooth-Flo, Add	65.94	
33 42 11 00-0621 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	196.89	34.20
For Bituminous Coated Pipe, Add	25.98	
For Bituminous Coated And 25% Paved, Add	49.50	
For Smooth-Flo, Add	80.68	
33 42 11 00-0622 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.29	49.75
For Bituminous Coated Pipe, Add	27.87	
For Bituminous Coated And 25% Paved, Add	53.10	
For Smooth-Flo, Add	86.54	
33 42 11 00-0623 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	257.64	54.41
For Bituminous Coated Pipe, Add	29.76	
For Bituminous Coated And 25% Paved, Add	56.70	
For Smooth-Flo, Add	92.42	
33 42 11 00-0624 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	274.93	58.29
For Bituminous Coated Pipe, Add	31.67	
For Bituminous Coated And 25% Paved, Add	60.32	
For Smooth-Flo, Add	98.32	
33 42 11 00-0625 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	292.15	62.18
For Bituminous Coated Pipe, Add	33.56	
For Bituminous Coated And 25% Paved, Add	63.93	
For Smooth-Flo, Add	104.20	

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0626	LF		96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	309.99	66.07
			<i>For Bituminous Coated Pipe, Add</i>	35.46	
			<i>For Bituminous Coated And 25% Paved, Add</i>	67.54	
			<i>For Smooth-Flo, Add</i>	110.09	
33 42 11 00-0627	LF		102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	329.97	69.96
			<i>For Bituminous Coated Pipe, Add</i>	37.36	
			<i>For Bituminous Coated And 25% Paved, Add</i>	71.16	
			<i>For Smooth-Flo, Add</i>	115.99	
33 42 11 00-0628	LF		108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	351.71	77.73
			<i>For Bituminous Coated Pipe, Add</i>	39.25	
			<i>For Bituminous Coated And 25% Paved, Add</i>	74.77	
			<i>For Smooth-Flo, Add</i>	121.87	
33 42 11 00-0629	LF		114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	373.06	85.50
			<i>For Bituminous Coated Pipe, Add</i>	41.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	78.35	
			<i>For Smooth-Flo, Add</i>	127.70	
33 42 11 00-0630	LF		120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	393.54	93.28
			<i>For Bituminous Coated Pipe, Add</i>	43.03	
			<i>For Bituminous Coated And 25% Paved, Add</i>	81.97	
			<i>For Smooth-Flo, Add</i>	133.61	
33 42 11 00-0631			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0593)		
33 42 11 00-0632	LF		72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	266.23	49.75
			<i>For Bituminous Coated Pipe, Add</i>	33.46	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.57	
			<i>For Smooth-Flo, Add</i>	84.99	
33 42 11 00-0633	LF		78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	287.87	54.41
			<i>For Bituminous Coated Pipe, Add</i>	35.81	
			<i>For Bituminous Coated And 25% Paved, Add</i>	68.04	
			<i>For Smooth-Flo, Add</i>	90.96	
33 42 11 00-0634	LF		84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	307.45	58.29
			<i>For Bituminous Coated Pipe, Add</i>	38.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	72.52	
			<i>For Smooth-Flo, Add</i>	96.95	
33 42 11 00-0635	LF		90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	326.97	62.18
			<i>For Bituminous Coated Pipe, Add</i>	40.52	
			<i>For Bituminous Coated And 25% Paved, Add</i>	76.99	
			<i>For Smooth-Flo, Add</i>	102.93	
33 42 11 00-0636	LF		96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	347.10	66.07
			<i>For Bituminous Coated Pipe, Add</i>	42.88	
			<i>For Bituminous Coated And 25% Paved, Add</i>	81.47	
			<i>For Smooth-Flo, Add</i>	108.91	
33 42 11 00-0637	LF		102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	369.38	69.96
			<i>For Bituminous Coated Pipe, Add</i>	45.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	85.95	
			<i>For Smooth-Flo, Add</i>	114.90	
33 42 11 00-0638	LF		108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	393.40	77.73
			<i>For Bituminous Coated Pipe, Add</i>	47.59	
			<i>For Bituminous Coated And 25% Paved, Add</i>	90.42	
			<i>For Smooth-Flo, Add</i>	120.87	
33 42 11 00-0639	LF		114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	417.03	85.50
			<i>For Bituminous Coated Pipe, Add</i>	49.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	94.85	
			<i>For Smooth-Flo, Add</i>	126.80	
33 42 11 00-0640	LF		120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	439.82	93.28
			<i>For Bituminous Coated Pipe, Add</i>	52.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	99.34	
			<i>For Smooth-Flo, Add</i>	132.81	
33 42 11 00-0641	LF		126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	464.05	101.05
			<i>For Bituminous Coated Pipe, Add</i>	54.63	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.79	
			<i>For Smooth-Flo, Add</i>	138.76	
33 42 11 00-0642	LF		132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	490.27	108.82
			<i>For Bituminous Coated Pipe, Add</i>	56.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.28	
			<i>For Smooth-Flo, Add</i>	144.75	
33 42 11 00-0643	LF		138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	518.85	116.60
			<i>For Bituminous Coated Pipe, Add</i>	59.35	
			<i>For Bituminous Coated And 25% Paved, Add</i>	112.77	
			<i>For Smooth-Flo, Add</i>	150.75	
33 42 11 00-0644			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0551)		
33 42 11 00-0645			16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0644)		
33 42 11 00-0646	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	97.60	23.32
			<i>For Bituminous Coated Pipe, Add</i>	13.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	30.19	
			<i>For Smooth-Flo, Add</i>	47.93	



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Storm Drainage Utilities	33 40	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0647 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	116.10	26.43
For Bituminous Coated Pipe, Add	16.22	
For Bituminous Coated And 25% Paved, Add	36.99	
For Smooth-Flo, Add	58.73	
33 42 11 00-0648 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	126.39	27.99
For Bituminous Coated Pipe, Add	17.65	
For Bituminous Coated And 25% Paved, Add	40.23	
For Smooth-Flo, Add	63.87	
33 42 11 00-0649 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	155.82	34.20
For Bituminous Coated Pipe, Add	22.21	
For Bituminous Coated And 25% Paved, Add	50.64	
For Smooth-Flo, Add	80.41	
33 42 11 00-0650 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	193.58	49.75
For Bituminous Coated Pipe, Add	23.66	
For Bituminous Coated And 25% Paved, Add	53.95	
For Smooth-Flo, Add	85.66	
33 42 11 00-0651 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	209.25	54.41
For Bituminous Coated Pipe, Add	25.11	
For Bituminous Coated And 25% Paved, Add	57.25	
For Smooth-Flo, Add	90.89	
33 42 11 00-0652 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	222.78	58.29
For Bituminous Coated Pipe, Add	26.55	
For Bituminous Coated And 25% Paved, Add	60.52	
For Smooth-Flo, Add	96.09	
33 42 11 00-0653 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	236.27	62.18
For Bituminous Coated Pipe, Add	27.98	
For Bituminous Coated And 25% Paved, Add	63.79	
For Smooth-Flo, Add	101.28	
33 42 11 00-0654 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	250.44	66.07
For Bituminous Coated Pipe, Add	29.43	
For Bituminous Coated And 25% Paved, Add	67.11	
For Smooth-Flo, Add	106.55	
33 42 11 00-0655 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	266.88	69.96
For Bituminous Coated Pipe, Add	30.92	
For Bituminous Coated And 25% Paved, Add	70.50	
For Smooth-Flo, Add	111.94	
33 42 11 00-0656 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
Piping <small>(33 42 11 00-0644)</small>		
33 42 11 00-0657 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	128.78	26.43
For Bituminous Coated Pipe, Add	15.51	
For Bituminous Coated And 25% Paved, Add	36.46	
For Smooth-Flo, Add	66.01	
33 42 11 00-0658 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	140.48	27.99
For Bituminous Coated Pipe, Add	16.93	
For Bituminous Coated And 25% Paved, Add	39.79	
For Smooth-Flo, Add	72.05	
33 42 11 00-0659 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	171.20	34.20
For Bituminous Coated Pipe, Add	20.85	
For Bituminous Coated And 25% Paved, Add	48.99	
For Smooth-Flo, Add	88.70	
33 42 11 00-0660 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	210.19	49.75
For Bituminous Coated Pipe, Add	22.25	
For Bituminous Coated And 25% Paved, Add	52.29	
For Smooth-Flo, Add	94.68	
33 42 11 00-0661 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	227.36	54.41
For Bituminous Coated Pipe, Add	23.71	
For Bituminous Coated And 25% Paved, Add	55.71	
For Smooth-Flo, Add	100.88	
33 42 11 00-0662 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	242.31	58.29
For Bituminous Coated Pipe, Add	25.14	
For Bituminous Coated And 25% Paved, Add	59.08	
For Smooth-Flo, Add	106.98	
33 42 11 00-0663 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	256.50	62.18
For Bituminous Coated Pipe, Add	26.43	
For Bituminous Coated And 25% Paved, Add	62.11	
For Smooth-Flo, Add	112.45	
33 42 11 00-0664 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	272.72	66.07
For Bituminous Coated Pipe, Add	28.00	
For Bituminous Coated And 25% Paved, Add	65.80	
For Smooth-Flo, Add	119.15	
33 42 11 00-0665 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	290.35	69.96
For Bituminous Coated Pipe, Add	29.43	
For Bituminous Coated And 25% Paved, Add	69.17	
For Smooth-Flo, Add	125.23	
33 42 11 00-0666 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	309.70	77.73
For Bituminous Coated Pipe, Add	30.85	
For Bituminous Coated And 25% Paved, Add	72.49	
For Smooth-Flo, Add	131.26	
33 42 11 00-0667 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	328.92	85.50
For Bituminous Coated Pipe, Add	32.30	
For Bituminous Coated And 25% Paved, Add	75.91	
For Smooth-Flo, Add	137.44	

33	Utilities
33 40	Storm Drainage Utilities
33 42	Stormwater Conveyance



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0668			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0644)</small>		
33 42 11 00-0669	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	166.87	27.99
			<i>For Bituminous Coated Pipe, Add</i>	22.21	
			<i>For Bituminous Coated And 25% Paved, Add</i>	42.20	
			<i>For Smooth-Flo, Add</i>	76.19	
33 42 11 00-0670	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	200.26	34.20
			<i>For Bituminous Coated Pipe, Add</i>	26.66	
			<i>For Bituminous Coated And 25% Paved, Add</i>	50.65	
			<i>For Smooth-Flo, Add</i>	91.44	
33 42 11 00-0671	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	242.02	49.75
			<i>For Bituminous Coated Pipe, Add</i>	28.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	54.37	
			<i>For Smooth-Flo, Add</i>	98.16	
33 42 11 00-0672	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	261.64	54.41
			<i>For Bituminous Coated Pipe, Add</i>	30.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	58.07	
			<i>For Smooth-Flo, Add</i>	104.83	
33 42 11 00-0673	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	279.06	58.29
			<i>For Bituminous Coated Pipe, Add</i>	32.49	
			<i>For Bituminous Coated And 25% Paved, Add</i>	61.73	
			<i>For Smooth-Flo, Add</i>	111.45	
33 42 11 00-0674	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	296.60	62.18
			<i>For Bituminous Coated Pipe, Add</i>	34.45	
			<i>For Bituminous Coated And 25% Paved, Add</i>	65.45	
			<i>For Smooth-Flo, Add</i>	118.16	
33 42 11 00-0675	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	314.66	66.07
			<i>For Bituminous Coated Pipe, Add</i>	36.39	
			<i>For Bituminous Coated And 25% Paved, Add</i>	69.14	
			<i>For Smooth-Flo, Add</i>	124.82	
33 42 11 00-0676	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	334.83	69.96
			<i>For Bituminous Coated Pipe, Add</i>	38.33	
			<i>For Bituminous Coated And 25% Paved, Add</i>	72.82	
			<i>For Smooth-Flo, Add</i>	131.47	
33 42 11 00-0677	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	356.88	77.73
			<i>For Bituminous Coated Pipe, Add</i>	40.28	
			<i>For Bituminous Coated And 25% Paved, Add</i>	76.54	
			<i>For Smooth-Flo, Add</i>	138.17	
33 42 11 00-0678	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	378.55	85.50
			<i>For Bituminous Coated Pipe, Add</i>	42.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	80.23	
			<i>For Smooth-Flo, Add</i>	144.84	
33 42 11 00-0679	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	399.23	93.28
			<i>For Bituminous Coated Pipe, Add</i>	44.17	
			<i>For Bituminous Coated And 25% Paved, Add</i>	83.92	
			<i>For Smooth-Flo, Add</i>	151.50	
33 42 11 00-0680			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0644)</small>		
33 42 11 00-0681	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	272.50	49.75
			<i>For Bituminous Coated Pipe, Add</i>	34.71	
			<i>For Bituminous Coated And 25% Paved, Add</i>	65.96	
			<i>For Smooth-Flo, Add</i>	103.62	
33 42 11 00-0682	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	294.95	54.41
			<i>For Bituminous Coated Pipe, Add</i>	37.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	70.73	
			<i>For Smooth-Flo, Add</i>	111.12	
33 42 11 00-0683	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	315.03	58.29
			<i>For Bituminous Coated Pipe, Add</i>	39.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	75.40	
			<i>For Smooth-Flo, Add</i>	118.46	
33 42 11 00-0684	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	334.97	62.18
			<i>For Bituminous Coated Pipe, Add</i>	42.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	80.03	
			<i>For Smooth-Flo, Add</i>	125.73	
33 42 11 00-0685	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	355.64	66.07
			<i>For Bituminous Coated Pipe, Add</i>	44.59	
			<i>For Bituminous Coated And 25% Paved, Add</i>	84.71	
			<i>For Smooth-Flo, Add</i>	133.09	
33 42 11 00-0686	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	378.32	69.96
			<i>For Bituminous Coated Pipe, Add</i>	47.03	
			<i>For Bituminous Coated And 25% Paved, Add</i>	89.35	
			<i>For Smooth-Flo, Add</i>	140.37	
33 42 11 00-0687	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	402.89	77.73
			<i>For Bituminous Coated Pipe, Add</i>	49.49	
			<i>For Bituminous Coated And 25% Paved, Add</i>	94.02	
			<i>For Smooth-Flo, Add</i>	147.72	
33 42 11 00-0688	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	427.12	85.50
			<i>For Bituminous Coated Pipe, Add</i>	51.94	
			<i>For Bituminous Coated And 25% Paved, Add</i>	98.69	
			<i>For Smooth-Flo, Add</i>	155.04	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0689	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	450.29	93.28
			<i>For Bituminous Coated Pipe, Add</i>	54.38	
			<i>For Bituminous Coated And 25% Paved, Add</i>	103.32	
			<i>For Smooth-Flo, Add</i>	162.32	
33 42 11 00-0690	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	478.93	101.05
			<i>For Bituminous Coated Pipe, Add</i>	57.60	
			<i>For Bituminous Coated And 25% Paved, Add</i>	109.45	
			<i>For Smooth-Flo, Add</i>	171.95	
33 42 11 00-0691	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	506.63	108.82
			<i>For Bituminous Coated Pipe, Add</i>	60.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	114.49	
			<i>For Smooth-Flo, Add</i>	179.88	
33 42 11 00-0692	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	537.20	116.60
			<i>For Bituminous Coated Pipe, Add</i>	63.02	
			<i>For Bituminous Coated And 25% Paved, Add</i>	119.74	
			<i>For Smooth-Flo, Add</i>	188.12	
33 42 11 00-0693			Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0551)		
33 42 11 00-0694			16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0693)		
33 42 11 00-0695	LF		18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	35.07	9.00
			<i>For Bituminous Coated Pipe, Add</i>	4.08	
33 42 11 00-0696	LF		21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	39.82	9.76
			<i>For Bituminous Coated Pipe, Add</i>	4.86	
33 42 11 00-0697	LF		24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	44.27	10.51
			<i>For Bituminous Coated Pipe, Add</i>	5.52	
33 42 11 00-0698	LF		30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	58.22	13.51
			<i>For Bituminous Coated Pipe, Add</i>	7.11	
33 42 11 00-0699	LF		36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	74.53	17.10
			<i>For Bituminous Coated Pipe, Add</i>	8.91	
33 42 11 00-0700	LF		42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	84.69	20.21
			<i>For Bituminous Coated Pipe, Add</i>	10.51	
33 42 11 00-0701	LF		48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	95.42	23.32
			<i>For Bituminous Coated Pipe, Add</i>	11.83	
33 42 11 00-0702	LF		54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	113.40	26.43
			<i>For Bituminous Coated Pipe, Add</i>	14.49	
33 42 11 00-0703	LF		60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	123.71	27.99
			<i>For Bituminous Coated Pipe, Add</i>	15.82	
33 42 11 00-0704			14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0693)		
33 42 11 00-0705	LF		18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	37.99	9.00
			<i>For Bituminous Coated Pipe, Add</i>	4.72	
33 42 11 00-0706	LF		21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	43.24	9.76
			<i>For Bituminous Coated Pipe, Add</i>	5.61	
33 42 11 00-0707	LF		24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	48.16	10.51
			<i>For Bituminous Coated Pipe, Add</i>	6.37	
33 42 11 00-0708	LF		30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	63.06	13.51
			<i>For Bituminous Coated Pipe, Add</i>	8.17	
33 42 11 00-0709	LF		36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	80.35	17.10
			<i>For Bituminous Coated Pipe, Add</i>	10.18	
33 42 11 00-0710	LF		42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	91.50	20.21
			<i>For Bituminous Coated Pipe, Add</i>	11.99	
33 42 11 00-0711	LF		48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	103.19	23.32
			<i>For Bituminous Coated Pipe, Add</i>	13.53	
33 42 11 00-0712	LF		54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	122.15	26.43
			<i>For Bituminous Coated Pipe, Add</i>	16.39	
33 42 11 00-0713	LF		60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	133.45	27.99
			<i>For Bituminous Coated Pipe, Add</i>	17.93	
33 42 11 00-0714	LF		66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	163.42	34.20
			<i>For Bituminous Coated Pipe, Add</i>	22.28	
33 42 11 00-0715	LF		72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	201.99	49.75
			<i>For Bituminous Coated Pipe, Add</i>	23.81	
33 42 11 00-0716	LF		78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	218.60	54.41
			<i>For Bituminous Coated Pipe, Add</i>	25.36	
33 42 11 00-0717			12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0693)		
33 42 11 00-0718	LF		30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	72.86	13.51
			<i>For Bituminous Coated Pipe, Add</i>	8.54	
33 42 11 00-0719	LF		36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	92.06	17.10
			<i>For Bituminous Coated Pipe, Add</i>	10.54	
33 42 11 00-0720	LF		42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	105.21	20.21
			<i>For Bituminous Coated Pipe, Add</i>	12.40	
33 42 11 00-0721	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	118.84	23.32
			<i>For Bituminous Coated Pipe, Add</i>	14.02	
33 42 11 00-0722	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	139.77	26.43
			<i>For Bituminous Coated Pipe, Add</i>	16.74	
33 42 11 00-0723	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	153.05	27.99
			<i>For Bituminous Coated Pipe, Add</i>	18.38	
33 42 11 00-0724	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	184.93	34.20
			<i>For Bituminous Coated Pipe, Add</i>	22.29	

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0725	LF	72"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	225.43	49.75
			<i>For Bituminous Coated Pipe, Add</i>	23.91	
33 42 11 00-0726	LF	78"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	243.97	54.41
			<i>For Bituminous Coated Pipe, Add</i>	25.54	
33 42 11 00-0727	LF	84"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	260.36	58.29
			<i>For Bituminous Coated Pipe, Add</i>	27.17	
33 42 11 00-0728	LF	90"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	276.71	62.18
			<i>For Bituminous Coated Pipe, Add</i>	28.79	
33 42 11 00-0729	LF	96"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	293.65	66.07
			<i>For Bituminous Coated Pipe, Add</i>	30.42	
33 42 11 00-0730	LF	102"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	311.77	69.96
			<i>For Bituminous Coated Pipe, Add</i>	31.86	
33 42 11 00-0731			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0551)		
33 42 11 00-0732			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0731)		
33 42 11 00-0733	LF	6"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.25	4.50
			<i>For Bituminous Coated Pipe, Add</i>	1.04	
33 42 11 00-0734	LF	6"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.12	4.50
			<i>For Bituminous Coated Pipe, Add</i>	1.25	
33 42 11 00-0735	LF	8"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	16.54	5.63
			<i>For Bituminous Coated Pipe, Add</i>	1.38	
33 42 11 00-0736	LF	8"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	17.65	5.63
			<i>For Bituminous Coated Pipe, Add</i>	1.65	
33 42 11 00-0737	LF	10"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	20.93	6.75
			<i>For Bituminous Coated Pipe, Add</i>	1.73	
33 42 11 00-0738	LF	10"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	22.34	6.75
			<i>For Bituminous Coated Pipe, Add</i>	2.08	
33 42 11 00-0739			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0731)		
33 42 11 00-0740	LF	6"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.38	4.50
			<i>For Bituminous Coated Pipe, Add</i>	1.03	
33 42 11 00-0741	LF	6"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.22	4.50
			<i>For Bituminous Coated Pipe, Add</i>	1.23	
33 42 11 00-0742	LF	8"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	16.66	5.63
			<i>For Bituminous Coated Pipe, Add</i>	1.35	
33 42 11 00-0743	LF	8"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	17.84	5.63
			<i>For Bituminous Coated Pipe, Add</i>	1.63	
33 42 11 00-0744	LF	10"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	21.14	6.75
			<i>For Bituminous Coated Pipe, Add</i>	1.71	
33 42 11 00-0745	LF	10"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	22.58	6.75
			<i>For Bituminous Coated Pipe, Add</i>	2.05	
33 42 11 00-0746			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0731)		
33 42 11 00-0747	EA	6"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	6.44	
			<i>For Bituminous Coated Pipe, Add</i>	1.45	
33 42 11 00-0748	EA	8"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	8.52	
			<i>For Bituminous Coated Pipe, Add</i>	1.92	
33 42 11 00-0749	EA	10"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	10.45	
			<i>For Bituminous Coated Pipe, Add</i>	2.35	
33 42 11 00-0750	EA	6"	18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	23.22	
			<i>For Bituminous Coated Pipe, Add</i>	3.20	
33 42 11 00-0751	EA	6"	End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	6.25	
			<i>For Bituminous Coated Pipe, Add</i>	0.73	
33 42 11 00-0752	EA	8"	End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	7.74	
			<i>For Bituminous Coated Pipe, Add</i>	1.10	
33 42 11 00-0753			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0551)		
33 42 11 00-0754			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0753)		
33 42 11 00-0755	LF	12"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	38.10	7.88
33 42 11 00-0756	LF	15"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	44.32	8.25
33 42 11 00-0757	LF	18"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.74	9.00
33 42 11 00-0758	LF	21"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	58.62	9.76
33 42 11 00-0759	LF	24"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	65.25	10.51
33 42 11 00-0760	LF	30"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	85.60	13.51
33 42 11 00-0761	LF	36"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	109.35	17.10
33 42 11 00-0762	LF	42"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	126.03	20.21
33 42 11 00-0763	LF	48"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	141.49	23.32
33 42 11 00-0764			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0753)		
33 42 11 00-0765	LF	12"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	42.80	7.88
33 42 11 00-0766	LF	15"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.15	8.25
33 42 11 00-0767	LF	18"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	57.72	9.00
33 42 11 00-0768	LF	21"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	66.70	9.76
33 42 11 00-0769	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	74.63	10.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0770 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	97.12	13.51
33 42 11 00-0771 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	123.26	17.10
33 42 11 00-0772 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	141.99	20.21
33 42 11 00-0773 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	159.70	23.32
33 42 11 00-0774 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	192.73	26.43
33 42 11 00-0775 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0753)		
33 42 11 00-0776 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	72.26	9.00
33 42 11 00-0777 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	83.68	9.76
33 42 11 00-0778 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	93.94	10.51
33 42 11 00-0779 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	121.24	13.51
33 42 11 00-0780 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	146.29	17.10
33 42 11 00-0781 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.73	20.21
33 42 11 00-0782 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	198.21	23.32
33 42 11 00-0783 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	236.67	26.43
33 42 11 00-0784 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	258.59	27.99
33 42 11 00-0785 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	316.39	34.20
33 42 11 00-0786 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0753)		
33 42 11 00-0787 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	178.64	17.10
33 42 11 00-0788 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	206.47	20.21
33 42 11 00-0789 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	233.13	23.32
33 42 11 00-0790 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	275.79	26.43
33 42 11 00-0791 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	302.13	27.99
33 42 11 00-0792 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	364.21	34.20
33 42 11 00-0793 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	417.61	49.75
33 42 11 00-0794 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0551)		
33 42 11 00-0795 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0794)		
33 42 11 00-0796 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	136.05	17.10
33 42 11 00-0797 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	156.82	20.21
33 42 11 00-0798 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	176.01	23.32
33 42 11 00-0799 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	212.37	26.43
33 42 11 00-0800 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	231.25	27.99
33 42 11 00-0801 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	293.50	34.20
33 42 11 00-0802 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	340.20	49.75
33 42 11 00-0803 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	364.83	54.41
33 42 11 00-0804 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	387.40	58.29
33 42 11 00-0805 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	409.97	62.18
33 42 11 00-0806 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	433.05	66.07
33 42 11 00-0807 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	458.40	69.96
33 42 11 00-0808 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0794)		
33 42 11 00-0809 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	237.51	26.43
33 42 11 00-0810 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	259.04	27.99
33 42 11 00-0811 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	324.11	34.20
33 42 11 00-0812 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	373.50	49.75
33 42 11 00-0813 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	400.85	54.41
33 42 11 00-0814 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	426.24	58.29
33 42 11 00-0815 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	451.45	62.18
33 42 11 00-0816 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	477.24	66.07
33 42 11 00-0817 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	505.32	69.96
33 42 11 00-0818 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	535.13	77.73
33 42 11 00-0819 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	564.31	85.50
33 42 11 00-0820 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0794)		
33 42 11 00-0821 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	322.28	27.99
33 42 11 00-0822 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	394.46	34.20
33 42 11 00-0823 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	449.95	49.75
33 42 11 00-0824 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	483.43	54.41
33 42 11 00-0825 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	514.91	58.29
33 42 11 00-0826 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	546.26	62.18
33 42 11 00-0827 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	578.23	66.07
33 42 11 00-0828 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	612.41	69.96
33 42 11 00-0829 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	648.27	77.73
33 42 11 00-0830 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	683.66	85.50
33 42 11 00-0831 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	718.34	93.28
33 42 11 00-0832 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0794)		
33 42 11 00-0833 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	519.61	49.75
33 42 11 00-0834 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	558.76	54.41
33 42 11 00-0835 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	595.97	58.29

33	Utilities
33 40	Storm Drainage Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0836 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	633.02	62.18
33 42 11 00-0837 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	670.72	66.07
33 42 11 00-0838 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	710.61	69.96
33 42 11 00-0839 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	752.19	77.73
33 42 11 00-0840 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	793.27	85.50
33 42 11 00-0841 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	833.67	93.28
33 42 11 00-0842 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	875.40	101.05
33 42 11 00-0843 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	919.23	108.82
33 42 11 00-0844 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	965.44	116.60
33 42 11 00-0845 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0551)		
33 42 11 00-0846 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0845)		
33 42 11 00-0847 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	170.59	23.32
33 42 11 00-0848 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	206.40	26.43
33 42 11 00-0849 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	224.41	27.99
33 42 11 00-0850 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	280.79	34.20
33 42 11 00-0851 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	326.46	49.75
33 42 11 00-0852 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	350.00	54.41
33 42 11 00-0853 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	371.35	58.29
33 42 11 00-0854 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	392.62	62.18
33 42 11 00-0855 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	414.69	66.07
33 42 11 00-0856 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	439.28	69.96
33 42 11 00-0857 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0845)		
33 42 11 00-0858 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	236.27	26.43
33 42 11 00-0859 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	257.68	27.99
33 42 11 00-0860 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	317.07	34.20
33 42 11 00-0861 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	365.66	49.75
33 42 11 00-0862 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	392.75	54.41
33 42 11 00-0863 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	417.42	58.29
33 42 11 00-0864 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	440.36	62.18
33 42 11 00-0865 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	467.27	66.07
33 42 11 00-0866 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	494.64	69.96
33 42 11 00-0867 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	523.60	77.73
33 42 11 00-0868 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	552.70	85.50
33 42 11 00-0869 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0845)		
33 42 11 00-0870 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	324.35	27.99
33 42 11 00-0871 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	390.84	34.20
33 42 11 00-0872 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	446.40	49.75
33 42 11 00-0873 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	479.61	54.41
33 42 11 00-0874 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	510.54	58.29
33 42 11 00-0875 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	541.80	62.18
33 42 11 00-0876 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	573.48	66.07
33 42 11 00-0877 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	607.19	69.96
33 42 11 00-0878 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	642.96	77.73
33 42 11 00-0879 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	678.24	85.50
33 42 11 00-0880 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	712.51	93.28
33 42 11 00-0881 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0845)		
33 42 11 00-0882 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	519.58	49.75
33 42 11 00-0883 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	559.60	54.41
33 42 11 00-0884 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	596.93	58.29
33 42 11 00-0885 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	633.96	62.18
33 42 11 00-0886 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	671.83	66.07
33 42 11 00-0887 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	711.66	69.96
33 42 11 00-0888 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	753.42	77.73
33 42 11 00-0889 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	794.84	85.50
33 42 11 00-0890 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	835.15	93.28
33 42 11 00-0891 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	886.35	101.05
33 42 11 00-0892 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	932.69	108.82
33 42 11 00-0893 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	982.58	116.60
33 42 11 00-0894 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0550)		
33 42 11 00-0895 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0894)		
33 42 11 00-0896 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0895)		



	Utilities	33	
	Storm Drainage Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0897	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	28.86 2.97 7.17 11.83	8.25
33 42 11 00-0898	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	31.79 3.54 8.57 14.13	9.00
33 42 11 00-0899	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	36.09 4.27 10.31 17.01	9.76
33 42 11 00-0900	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.31 4.91 11.88 19.59	10.51
33 42 11 00-0901	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	52.76 6.24 15.09 24.88	13.51
33 42 11 00-0902	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	68.59 8.05 19.46 32.09	17.10
33 42 11 00-0903			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0895)</small>		
33 42 11 00-0904	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	31.27 3.08 7.20 11.81	8.25
33 42 11 00-0905	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	34.73 3.69 8.64 14.17	9.00
33 42 11 00-0906	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	39.37 4.39 10.27 16.84	9.76
33 42 11 00-0907	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.11 5.06 11.84 19.41	10.51
33 42 11 00-0908	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	57.50 6.41 14.99 24.59	13.51
33 42 11 00-0909	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	74.23 8.16 19.09 31.32	17.10
33 42 11 00-0910	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	84.80 9.72 22.75 37.31	20.21
33 42 11 00-0911			12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0895)</small>		
33 42 11 00-0912	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.31 3.99 8.89 13.66	9.33
33 42 11 00-0913	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.29 4.74 10.54 16.21	10.11
33 42 11 00-0914	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	56.27 5.43 12.09 18.59	10.88
33 42 11 00-0915	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	73.02 6.84 15.22 23.41	13.99
33 42 11 00-0916	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.74 8.56 19.05 29.29	17.10
33 42 11 00-0917	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	98.09 10.12 22.53 34.64	20.21

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0918	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	114.03 12.00 26.72 41.08	23.32
33 42 11 00-0919	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.83 13.26 29.50 45.36	26.43
33 42 11 00-0920			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0895)</small>		
33 42 11 00-0921	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	96.58 10.31 21.71 27.38	17.10
33 42 11 00-0922	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	110.72 12.16 25.61 32.30	20.21
33 42 11 00-0923	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	128.34 14.31 30.13 38.00	23.32
33 42 11 00-0924	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	144.02 15.87 33.41 42.14	26.43
33 42 11 00-0925	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.70 17.42 36.68 46.26	27.99
33 42 11 00-0926			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0894)</small>		
33 42 11 00-0927			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0926)</small>		
33 42 11 00-0928	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.68 15.29 46.49 52.00	26.43
33 42 11 00-0929	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	139.49 16.74 50.88 56.90	27.99
33 42 11 00-0930	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	172.07 21.02 63.90 71.47	34.20
33 42 11 00-0931	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	211.61 22.54 68.51 76.62	49.75
33 42 11 00-0932	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	229.45 24.13 73.34 82.03	54.41
33 42 11 00-0933	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	245.24 25.73 78.21 87.48	58.29
33 42 11 00-0934	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	260.95 27.32 83.05 92.88	62.18
33 42 11 00-0935	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	277.24 28.91 87.87 98.28	66.07
33 42 11 00-0936			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0926)</small>		
33 42 11 00-0937	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	164.40 21.72 56.90 67.33	27.99
33 42 11 00-0938	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	199.70 26.55 69.55 82.29	34.20
33 42 11 00-0939	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.68 28.55 74.80 88.51	49.75



	Utilities	33	
	Storm Drainage Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0940	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	261.96 30.63 80.25 94.95	54.41
33 42 11 00-0941	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	280.17 32.71 85.71 101.41	58.29
33 42 11 00-0942	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	298.33 34.79 91.16 107.86	62.18
33 42 11 00-0943	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	317.04 36.87 96.59 114.28	66.07
33 42 11 00-0944	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.00 38.96 102.08 120.78	69.96
33 42 11 00-0945	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	360.68 41.04 107.54 127.24	77.73
33 42 11 00-0946	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	384.08 43.33 113.53 134.33	85.50
33 42 11 00-0947		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0926)</small>		
33 42 11 00-0948	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	269.62 34.14 81.25 88.25	49.75
33 42 11 00-0949	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.21 36.68 87.29 94.81	54.41
33 42 11 00-0950	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	312.71 39.22 93.35 101.39	58.29
33 42 11 00-0951	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	333.13 41.75 99.37 107.93	62.18
33 42 11 00-0952	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	354.15 44.29 105.41 114.48	66.07
33 42 11 00-0953	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	377.38 46.84 111.47 121.08	69.96
33 42 11 00-0954	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	402.35 49.38 117.52 127.64	77.73
33 42 11 00-0955	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	427.86 52.09 123.97 134.65	85.50
33 42 11 00-0956	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	455.10 55.34 131.71 143.06	93.28
33 42 11 00-0957		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0954)</small>		
33 42 11 00-0958		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0957)</small>		
33 42 11 00-0959	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	244.42 29.10 71.00 90.35	49.75
33 42 11 00-0960	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	264.43 31.12 75.94 96.63	54.41

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0961	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	282.21 33.12 80.82 102.84	58.29
33 42 11 00-0962	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	299.97 35.12 85.70 109.05	62.18
33 42 11 00-0963	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	318.39 37.14 90.61 115.31	66.07
33 42 11 00-0964	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	339.12 39.19 95.61 121.67	69.96
33 42 11 00-0965	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	361.57 41.22 100.58 127.99	77.73
33 42 11 00-0966	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	386.30 43.78 106.81 135.92	85.50
33 42 11 00-0967			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0967)</small>		
33 42 11 00-0968	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	275.35 35.28 79.74 86.62	49.75
33 42 11 00-0969	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	297.83 37.80 85.43 92.80	54.41
33 42 11 00-0970	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	318.13 40.31 91.09 98.95	58.29
33 42 11 00-0971	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.48 42.82 96.78 105.13	62.18
33 42 11 00-0972	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.99 45.26 102.28 111.10	66.07
33 42 11 00-0973	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	382.57 47.88 108.20 117.54	69.96
33 42 11 00-0974	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	407.58 50.42 113.96 123.79	77.73
33 42 11 00-0975	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	434.85 53.49 120.88 131.31	85.50
33 42 11 00-0976	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	460.27 56.38 127.41 138.40	93.28
33 42 11 00-0977			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0894)</small>		
33 42 11 00-0978			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0977)</small>		
33 42 11 00-0979	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	44.36	8.25
33 42 11 00-0980	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	50.31	9.00
33 42 11 00-0981	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	58.44	9.76
33 42 11 00-0982	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	66.11	10.51
33 42 11 00-0983	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	85.62	13.51
33 42 11 00-0984	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	111.27	17.10
33 42 11 00-0985			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0977)</small>		
33 42 11 00-0986	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	49.89	8.25
33 42 11 00-0987	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	57.07	9.00
33 42 11 00-0988	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	65.98	9.76
33 42 11 00-0989	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	74.88	10.51
33 42 11 00-0990	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	96.52	13.51



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0991 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.24	17.10
33 42 11 00-0992 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	144.50	20.21
33 42 11 00-0993 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0977)</small>		
33 42 11 00-0994 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	73.64	9.00
33 42 11 00-0995 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.61	9.76
33 42 11 00-0996 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.10	10.51
33 42 11 00-0997 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.25	13.51
33 42 11 00-0998 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	157.74	17.10
33 42 11 00-0999 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.51	20.21
33 42 11 00-1000 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	216.02	23.32
33 42 11 00-1001 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	240.16	26.43
33 42 11 00-1002 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0977)</small>		
33 42 11 00-1003 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	184.01	17.10
33 42 11 00-1004 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	214.17	20.21
33 42 11 00-1005 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	250.78	23.32
33 42 11 00-1006 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	279.46	26.43
33 42 11 00-1007 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	306.09	27.99
33 42 11 00-1008 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0894)</small>		
33 42 11 00-1009 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-1008)</small>		
33 42 11 00-1010 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	242.45	26.43
33 42 11 00-1011 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	264.85	27.99
33 42 11 00-1012 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	330.85	34.20
33 42 11 00-1013 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	381.59	49.75
33 42 11 00-1014 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	411.24	54.41
33 42 11 00-1015 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	438.85	58.29
33 42 11 00-1016 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	466.34	62.18
33 42 11 00-1017 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	494.46	66.07
33 42 11 00-1018 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-1008)</small>		
33 42 11 00-1019 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	328.21	27.99
33 42 11 00-1020 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	401.38	34.20
33 42 11 00-1021 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	458.35	49.75
33 42 11 00-1022 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	494.12	54.41
33 42 11 00-1023 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	527.88	58.29
33 42 11 00-1024 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	561.59	62.18
33 42 11 00-1025 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	595.80	66.07
33 42 11 00-1026 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	632.35	69.96
33 42 11 00-1027 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	670.57	77.73
33 42 11 00-1028 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	711.06	85.50
33 42 11 00-1029 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-1008)</small>		
33 42 11 00-1030 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	527.99	49.75
33 42 11 00-1031 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	569.51	54.41
33 42 11 00-1032 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	609.03	58.29
33 42 11 00-1033 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	648.33	62.18
33 42 11 00-1034 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	688.28	66.07
33 42 11 00-1035 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	730.53	69.96
33 42 11 00-1036 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	774.48	77.73
33 42 11 00-1037 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	820.20	85.50
33 42 11 00-1038 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	871.72	93.28
33 42 11 00-1039 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0894)</small>		
33 42 11 00-1040 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-1039)</small>		
33 42 11 00-1041 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	452.09	49.75
33 42 11 00-1042 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	486.29	54.41
33 42 11 00-1043 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	518.10	58.29
33 42 11 00-1044 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	549.85	62.18
33 42 11 00-1045 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	582.38	66.07
33 42 11 00-1046 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	617.48	69.96
33 42 11 00-1047 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	654.18	77.73
33 42 11 00-1048 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	696.79	85.50
33 42 11 00-1049 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-1039)</small>		

33	Utilities
33 40	Storm Drainage Utilities
33 42	Stormwater Conveyance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1050	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	526.37	49.75
	33 42 11 00-1051	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	566.46	54.41
	33 42 11 00-1052	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	604.30	58.29
	33 42 11 00-1053	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	642.28	62.18
	33 42 11 00-1054	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	679.87	66.07
	33 42 11 00-1055	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	721.78	69.96
	33 42 11 00-1056	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	764.67	77.73
	33 42 11 00-1057	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	813.45	85.50
	33 42 11 00-1058	LF	142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	859.01	93.28
	33 42 11 00-1059		Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0550)		
	33 42 11 00-1060		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1059)		
	33 42 11 00-1061		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1060)		
	33 42 11 00-1062	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	27.29	7.88
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	4.41	
	33 42 11 00-1063	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	30.71	8.25
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.56	
	33 42 11 00-1064	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	34.24	9.00
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.74	
	33 42 11 00-1065	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.90	9.76
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.06	
	33 42 11 00-1066	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	43.03	10.51
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.07	
	33 42 11 00-1067	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.83	13.51
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.77	
	33 42 11 00-1068	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	73.02	17.10
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.85	
	33 42 11 00-1069	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.05	20.21
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.56	
	33 42 11 00-1070	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	93.35	23.32
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	19.68	
	33 42 11 00-1071		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1060)		
	33 42 11 00-1072	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.68	7.88
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	4.19	
	33 42 11 00-1073	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.65	8.25
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.26	
	33 42 11 00-1074	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	37.74	9.00
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.36	
	33 42 11 00-1075	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.97	9.76
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.56	
	33 42 11 00-1076	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.75	10.51
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.56	
	33 42 11 00-1077	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.61	13.51
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.00	
	33 42 11 00-1078	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	80.01	17.10
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.78	
	33 42 11 00-1079	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	91.10	20.21
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.23	
	33 42 11 00-1080	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.52	23.32
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.23	
	33 42 11 00-1081	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.37	26.43
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.42	
	33 42 11 00-1082		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1060)		
	33 42 11 00-1083	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	45.12	9.00
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.93	
	33 42 11 00-1084	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.57	9.76
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.01	
	33 42 11 00-1085	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	57.53	10.51
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.94	
	33 42 11 00-1086	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	74.81	13.51
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.13	
	33 42 11 00-1087	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.73	17.10
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.57	
	33 42 11 00-1088	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.16	20.21
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.74	
	33 42 11 00-1089	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.98	23.32
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.63	
	33 42 11 00-1090	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	144.60	26.43
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.08	
	33 42 11 00-1091	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	157.92	27.99
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.95	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1092 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	192.55 27.00	34.20
33 42 11 00-1093 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1060)</small>		
33 42 11 00-1094 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.97 13.77	17.10
33 42 11 00-1095 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	123.64 16.14	20.21
33 42 11 00-1096 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.56 18.22	23.32
33 42 11 00-1097 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	164.31 21.72	26.43
33 42 11 00-1098 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	179.86 23.82	27.99
33 42 11 00-1099 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	216.64 28.74	34.20
33 42 11 00-1100 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	259.39 30.81	49.75
33 42 11 00-1101 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1059)</small>		
33 42 11 00-1102 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1101)</small>		
33 42 11 00-1103 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.43 16.51	17.10
33 42 11 00-1104 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.96 19.38	20.21
33 42 11 00-1105 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.74 21.74	23.32
33 42 11 00-1106 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.07 26.55	26.43
33 42 11 00-1107 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	138.46 28.93	27.99
33 42 11 00-1108 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	173.13 37.16	34.20
33 42 11 00-1109 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	212.08 39.60	49.75
33 42 11 00-1110 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	228.98 42.06	54.41
33 42 11 00-1111 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	243.80 44.52	58.29
33 42 11 00-1112 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	258.59 46.98	62.18
33 42 11 00-1113 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	273.96 49.44	66.07
33 42 11 00-1114 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	291.52 51.92	69.96
33 42 11 00-1115 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1101)</small>		
33 42 11 00-1116 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.03 23.01	26.43
33 42 11 00-1117 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	151.67 25.12	27.99
33 42 11 00-1118 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	187.67 31.62	34.20
33 42 11 00-1119 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.93 33.80	49.75
33 42 11 00-1120 LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	246.11 35.97	54.41
33 42 11 00-1121 LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	262.27 38.17	58.29
33 42 11 00-1122 LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	278.33 40.34	62.18
33 42 11 00-1123 LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	294.97 42.51	66.07
33 42 11 00-1124 LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	313.81 44.70	69.96
33 42 11 00-1125 LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	334.42 46.89	77.73
33 42 11 00-1126 LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	354.59 49.04	85.50
33 42 11 00-1127 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1101)</small>		
33 42 11 00-1128 LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	181.05 33.69	27.99
33 42 11 00-1129 LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	220.20 41.22	34.20

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1130 LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	263.28	49.75
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.21	
33 42 11 00-1131 LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	284.34	54.41
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.21	
33 42 11 00-1132 LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	303.34	58.29
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.23	
33 42 11 00-1133 LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	322.27	62.18
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.24	
33 42 11 00-1134 LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	341.77	66.07
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.24	
33 42 11 00-1135 LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	363.46	69.96
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.25	
33 42 11 00-1136 LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	386.91	77.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.26	
33 42 11 00-1137 LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	409.95	85.50
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.24	
33 42 11 00-1138 LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	432.13	93.28
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.26	
33 42 11 00-1139 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1101)</small>		
33 42 11 00-1140 LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	296.26	49.75
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.27	
33 42 11 00-1141 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	319.97	54.41
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.07	
33 42 11 00-1142 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	341.68	58.29
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.90	
33 42 11 00-1143 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	363.29	62.18
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.71	
33 42 11 00-1144 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	385.53	66.07
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.53	
33 42 11 00-1145 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	409.95	69.96
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.36	
33 42 11 00-1146 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	436.06	77.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.17	
33 42 11 00-1147 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	461.80	85.50
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.95	
33 42 11 00-1148 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	486.71	93.28
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.79	
33 42 11 00-1149 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	513.05	101.05
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.59	
33 42 11 00-1150 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	541.38	108.82
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.41	
33 42 11 00-1151 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	572.08	116.60
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.25	
33 42 11 00-1152 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1059)</small>		
33 42 11 00-1153 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1152)</small>		
33 42 11 00-1154 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	107.13	23.32
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.93	
33 42 11 00-1155 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	127.77	26.43
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.00	
33 42 11 00-1156 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	139.06	27.99
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.88	
33 42 11 00-1157 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	171.78	34.20
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.17	
33 42 11 00-1158 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	210.57	49.75
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.12	
33 42 11 00-1159 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	227.30	54.41
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.06	
33 42 11 00-1160 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	241.86	58.29
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.99	
33 42 11 00-1161 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	256.37	62.18
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.90	
33 42 11 00-1162 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	271.60	66.07
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.86	
33 42 11 00-1163 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	289.11	69.96
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.89	
33 42 11 00-1164 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1152)</small>		
33 42 11 00-1165 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	142.71	26.43
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.11	
33 42 11 00-1166 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	155.72	27.99
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.97	
33 42 11 00-1167 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	189.92	34.20
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1168	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.20	49.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.63	
33 42 11 00-1169	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	248.67	54.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.55	
33 42 11 00-1170	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.90	58.29
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.42	
33 42 11 00-1171	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.26	62.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.01	
33 42 11 00-1172	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	297.87	66.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.15	
33 42 11 00-1173	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	316.80	69.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.03	
33 42 11 00-1174	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	337.43	77.73
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.87	
33 42 11 00-1175	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.96	85.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.78	
33 42 11 00-1176 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping					
			<small>(33 42 11 00-1152)</small>		
33 42 11 00-1177	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.85	27.99
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.48	
33 42 11 00-1178	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	224.24	34.20
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.98	
33 42 11 00-1179	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	267.78	49.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.29	
33 42 11 00-1180	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	289.13	54.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.57	
33 42 11 00-1181	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	308.31	58.29
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.83	
33 42 11 00-1182	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	327.62	62.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.13	
33 42 11 00-1183	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	347.41	66.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.40	
33 42 11 00-1184	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	369.33	69.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.68	
33 42 11 00-1185	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	393.13	77.73
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.97	
33 42 11 00-1186	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	416.56	85.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.25	
33 42 11 00-1187	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	438.99	93.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.53	
33 42 11 00-1188 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping					
			<small>(33 42 11 00-1152)</small>		
33 42 11 00-1189	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	303.76	49.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.58	
33 42 11 00-1190	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.47	54.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.82	
33 42 11 00-1191	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	350.77	58.29
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.97	
33 42 11 00-1192	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	372.91	62.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.09	
33 42 11 00-1193	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	395.76	66.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.23	
33 42 11 00-1194	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	420.67	69.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.36	
33 42 11 00-1195	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	447.44	77.73
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.51	
33 42 11 00-1196	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	473.87	85.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.64	
33 42 11 00-1197	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	499.25	93.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	91.77	
33 42 11 00-1198	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	530.81	101.05
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	97.21	
33 42 11 00-1199	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	560.89	108.82
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.69	
33 42 11 00-1200	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	593.93	116.60
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.35	
33 42 11 00-1201 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping					
			<small>(33 42 11 00-1059)</small>		
33 42 11 00-1202 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping					
			<small>(33 42 11 00-1201)</small>		
33 42 11 00-1203	LF		18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	38.26	9.00
33 42 11 00-1204	LF		21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	43.55	9.76
33 42 11 00-1205	LF		24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	48.54	10.51
33 42 11 00-1206	LF		30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	63.55	13.51
33 42 11 00-1207	LF		36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.91	17.10
33 42 11 00-1208	LF		42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	92.15	20.21
33 42 11 00-1209	LF		48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.93	23.32

33	Utilities
33 40	Storm Drainage Utilities
33 42	Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1210 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	123.00	26.43
33 42 11 00-1211 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	134.37	27.99
33 42 11 00-1212 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1201)</small>		
33 42 11 00-1213 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	41.72	9.00
33 42 11 00-1214 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	47.60	9.76
33 42 11 00-1215 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	53.13	10.51
33 42 11 00-1216 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	69.28	13.51
33 42 11 00-1217 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.81	17.10
33 42 11 00-1218 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	100.22	20.21
33 42 11 00-1219 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	113.15	23.32
33 42 11 00-1220 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	133.36	26.43
33 42 11 00-1221 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	145.92	27.99
33 42 11 00-1222 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	177.26	34.20
33 42 11 00-1223 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	217.07	49.75
33 42 11 00-1224 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	234.92	54.41
33 42 11 00-1225 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1201)</small>		
33 42 11 00-1226 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.90	13.51
33 42 11 00-1227 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.72	17.10
33 42 11 00-1228 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.52	20.21
33 42 11 00-1229 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	131.74	23.32
33 42 11 00-1230 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	154.27	26.43
33 42 11 00-1231 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	169.18	27.99
33 42 11 00-1232 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	202.80	34.20
33 42 11 00-1233 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	244.90	49.75
33 42 11 00-1234 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	265.06	54.41
33 42 11 00-1235 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	283.04	58.29
33 42 11 00-1236 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	301.03	62.18
33 42 11 00-1237 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	319.54	66.07
33 42 11 00-1238 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	339.10	69.96
33 42 11 00-1239 Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0550)</small>		
33 42 11 00-1240 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1239)</small>		
33 42 11 00-1241 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1240)</small>		
33 42 11 00-1242 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	31.52	8.25
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.18	
33 42 11 00-1243 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	34.96	9.00
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.58	
33 42 11 00-1244 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	39.89	9.76
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.32	
33 42 11 00-1245 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	44.70	10.51
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.89	
33 42 11 00-1246 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	58.34	13.51
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.11	
33 42 11 00-1247 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	75.78	17.10
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	19.48	
33 42 11 00-1248 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1240)</small>		
33 42 11 00-1249 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	34.46	8.25
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	7.44	
33 42 11 00-1250 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	38.53	9.00
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.91	
33 42 11 00-1251 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	43.91	9.76
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.60	
33 42 11 00-1252 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	49.35	10.51
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.23	
33 42 11 00-1253 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	64.14	13.51
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.49	
33 42 11 00-1254 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	82.69	17.10
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	19.73	
33 42 11 00-1255 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	94.87	20.21
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.50	
33 42 11 00-1256 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1240)</small>		
33 42 11 00-1257 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	45.81	9.00
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.16	
33 42 11 00-1258 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	52.54	9.76
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.70	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1259	LF	28" x 20"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	59.13 11.14	10.51
33 42 11 00-1260	LF	35" x 24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	76.34 14.06	13.51
33 42 11 00-1261	LF	42" x 29"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	97.43 17.68	17.10
33 42 11 00-1262	LF	49" x 33"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	112.07 20.95	20.21
33 42 11 00-1263	LF	57" x 38"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	130.95 24.94	23.32
33 42 11 00-1264	LF	64" x 43"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	146.36 27.50	26.43
33 42 11 00-1265			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1240)</small>		
33 42 11 00-1266	LF	42" x 29"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.67 18.60	17.10
33 42 11 00-1267	LF	49" x 33"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	127.51 21.98	20.21
33 42 11 00-1268	LF	57" x 38"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	148.46 25.96	23.32
33 42 11 00-1269	LF	64" x 43"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	166.16 28.74	26.43
33 42 11 00-1270	LF	71" x 47"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	181.86 31.51	27.99
33 42 11 00-1271			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1239)</small>		
33 42 11 00-1272			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1271)</small>		
33 42 11 00-1273	LF	60" x 46"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	141.39 41.30	26.43
33 42 11 00-1274	LF	66" x 51"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	154.48 45.19	27.99
33 42 11 00-1275	LF	73" x 55"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	190.91 56.76	34.20
33 42 11 00-1276	LF	81" x 59"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	231.79 60.85	49.75
33 42 11 00-1277	LF	87" x 63"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	251.08 65.16	54.41
33 42 11 00-1278	LF	95" x 67"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	268.27 69.46	58.29
33 42 11 00-1279	LF	103" x 71"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	285.41 73.76	62.18
33 42 11 00-1280	LF	112" x 75"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	303.15 78.06	66.07
33 42 11 00-1281			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1271)</small>		
33 42 11 00-1282	LF	66" x 51"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	183.88 51.36	27.99
33 42 11 00-1283	LF	73" x 55"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	223.50 62.77	34.20
33 42 11 00-1284	LF	81" x 59"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	267.28 67.51	49.75
33 42 11 00-1285	LF	87" x 63"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	289.40 72.41	54.41
33 42 11 00-1286	LF	95" x 67"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	309.50 77.35	58.29
33 42 11 00-1287	LF	103" x 71"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	329.53 82.27	62.18
33 42 11 00-1288	LF	112" x 75"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	350.11 87.18	66.07
33 42 11 00-1289	LF	117" x 79"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	372.93 92.13	69.96
33 42 11 00-1290	LF	128" x 83"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	397.47 97.05	77.73
33 42 11 00-1291	LF	137" x 87"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	422.94 102.46	85.50
33 42 11 00-1292			10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1271)</small>		
33 42 11 00-1293	LF	81" x 59"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	300.23 73.07	49.75
33 42 11 00-1294	LF	87" x 63"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	325.09 78.51	54.41
33 42 11 00-1295	LF	95" x 67"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	347.89 83.96	58.29

33	33 Utilities
	33 40 Storm Drainage Utilities
	33 42 Stormwater Conveyance



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-1296	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	370.57 89.37	62.18
33 42 11 00-1297	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	395.69 95.46	66.07
33 42 11 00-1298	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	419.39 100.26	69.96
33 42 11 00-1299	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	446.65 105.70	77.73
33 42 11 00-1300	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	474.57 111.50	85.50
33 42 11 00-1301	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	504.73 118.46	93.28
33 42 11 00-1302	125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1239)</small>		
33 42 11 00-1303	12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1302)</small>		
33 42 11 00-1304	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	270.61 66.44	49.75
33 42 11 00-1305	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	292.43 71.06	54.41
33 42 11 00-1306	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	312.04 75.64	58.29
33 42 11 00-1307	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	331.60 80.20	62.18
33 42 11 00-1308	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	351.82 84.80	66.07
33 42 11 00-1309	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	374.39 89.47	69.96
33 42 11 00-1310	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	398.68 94.13	77.73
33 42 11 00-1311	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	425.70 99.95	85.50
33 42 11 00-1312	10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1302)</small>		
33 42 11 00-1313	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	307.11 73.70	49.75
33 42 11 00-1314	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	331.86 78.96	54.41
33 42 11 00-1315	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.41 84.18	58.29
33 42 11 00-1316	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	377.02 89.44	62.18
33 42 11 00-1317	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	399.74 94.53	66.07
33 42 11 00-1318	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	425.66 99.99	69.96
33 42 11 00-1319	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	452.99 105.33	77.73
33 42 11 00-1320	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	483.00 111.72	85.50
33 42 11 00-1321	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	511.03 117.75	93.28
33 42 11 00-1322	Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-0550)</small>		
33 42 11 00-1323	1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1322)</small>		
33 42 11 00-1324	18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1323)</small>		
33 42 11 00-1325	LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.11 1.37	4.50
33 42 11 00-1326	LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.57 1.85	5.63
33 42 11 00-1327	LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	26.58 2.44	6.75
33 42 11 00-1328	16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1323)</small>		
33 42 11 00-1329	LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.68 1.35	4.50
33 42 11 00-1330	LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.78 1.85	5.63
33 42 11 00-1331	LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.54 2.45	6.75



	Utilities	33
	Storm Drainage Utilities	33 40
	Stormwater Conveyance	33 42

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-1332		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1332)			
33 42 11 00-1333		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1332)			
33 42 11 00-1334	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	30.89		7.88
		For Bituminous Coated Pipe, Add	2.69		
33 42 11 00-1335	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	35.18		8.25
		For Bituminous Coated Pipe, Add	3.37		
33 42 11 00-1336	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	39.71		9.00
		For Bituminous Coated Pipe, Add	4.10		
33 42 11 00-1337	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	45.40		9.76
		For Bituminous Coated Pipe, Add	4.89		
33 42 11 00-1338	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	50.56		10.51
		For Bituminous Coated Pipe, Add	5.55		
33 42 11 00-1339		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1332)			
33 42 11 00-1340	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	34.25		7.88
		For Bituminous Coated Pipe, Add	2.63		
33 42 11 00-1341	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	39.46		8.25
		For Bituminous Coated Pipe, Add	3.31		
33 42 11 00-1342	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	44.84		9.00
		For Bituminous Coated Pipe, Add	4.01		
33 42 11 00-1343	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	51.35		9.76
		For Bituminous Coated Pipe, Add	4.76		
33 42 11 00-1344	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	57.39		10.51
		For Bituminous Coated Pipe, Add	5.41		
33 42 11 00-1345	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	74.87		13.51
		For Bituminous Coated Pipe, Add	6.93		
33 42 11 00-1346	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	94.92		17.10
		For Bituminous Coated Pipe, Add	8.62		
33 42 11 00-1347		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1332)			
33 42 11 00-1348	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	70.44		10.51
		For Bituminous Coated Pipe, Add	5.14		
33 42 11 00-1349	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	91.12		13.51
		For Bituminous Coated Pipe, Add	6.53		
33 42 11 00-1350	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	114.44		17.10
		For Bituminous Coated Pipe, Add	8.05		
33 42 11 00-1351	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	131.51		20.21
		For Bituminous Coated Pipe, Add	9.47		
33 42 11 00-1352	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	148.70		23.32
		For Bituminous Coated Pipe, Add	10.72		
33 42 11 00-1353	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	174.66		26.43
		For Bituminous Coated Pipe, Add	12.72		
33 42 11 00-1354		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1332)			
33 42 11 00-1355	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	135.23		17.10
		For Bituminous Coated Pipe, Add	7.92		
33 42 11 00-1356	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	155.74		20.21
		For Bituminous Coated Pipe, Add	9.29		
33 42 11 00-1357	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	176.46		23.32
		For Bituminous Coated Pipe, Add	10.55		
33 42 11 00-1358	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	205.89		26.43
		For Bituminous Coated Pipe, Add	12.37		
33 42 11 00-1359	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	226.26		27.99
		For Bituminous Coated Pipe, Add	13.64		
33 42 11 00-1360		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1322)			
33 42 11 00-1361		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1360)			
33 42 11 00-1362	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	73.81		13.51
33 42 11 00-1363	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	93.60		17.10
33 42 11 00-1364	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	106.77		20.21
33 42 11 00-1365	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	120.86		23.32
33 42 11 00-1366	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	142.41		26.43
33 42 11 00-1367		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1360)			
33 42 11 00-1368	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	82.37		13.51

33 Utilities
33 40 Storm Drainage Utilities
33 42 Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1369 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	105.81	17.10
33 42 11 00-1370 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	120.94	20.21
33 42 11 00-1371 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	136.33	23.32
33 42 11 00-1372 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	160.53	26.43
33 42 11 00-1373 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	175.49	27.99
33 42 11 00-1374 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	213.27	34.20
33 42 11 00-1375 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	255.70	49.75
33 42 11 00-1376 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	276.09	54.41
33 42 11 00-1377 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1360)</small>		
33 42 11 00-1378 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	102.35	13.51
33 42 11 00-1379 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	128.27	17.10
33 42 11 00-1380 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	147.79	20.21
33 42 11 00-1381 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	167.12	23.32
33 42 11 00-1382 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	195.09	26.43
33 42 11 00-1383 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	213.76	27.99
33 42 11 00-1384 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	255.24	34.20
33 42 11 00-1385 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	301.48	49.75
33 42 11 00-1386 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	325.61	54.41
33 42 11 00-1387 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	347.69	58.29
33 42 11 00-1388 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	369.69	62.18
33 42 11 00-1389 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	392.28	66.07
33 42 11 00-1390 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1360)</small>		
33 42 11 00-1391 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	254.02	27.99
33 42 11 00-1392 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	297.83	34.20
33 42 11 00-1393 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	347.88	49.75
33 42 11 00-1394 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	375.84	54.41
33 42 11 00-1395 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	401.68	58.29
33 42 11 00-1396 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	427.50	62.18
33 42 11 00-1397 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	453.88	66.07
33 42 11 00-1398 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	482.49	69.96
33 42 11 00-1399 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	512.82	77.73
33 42 11 00-1400 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1322)</small> Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1401 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1400)</small>		
33 42 11 00-1402 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.23	9.00
33 42 11 00-1403 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.13	9.76
33 42 11 00-1404 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	65.87	10.51
33 42 11 00-1405 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.04	12.01
33 42 11 00-1406 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.53	13.51
33 42 11 00-1407 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.91	15.01
33 42 11 00-1408 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1400)</small>		
33 42 11 00-1409 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	58.47	9.00
33 42 11 00-1410 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.26	9.76
33 42 11 00-1411 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	75.60	10.51
33 42 11 00-1412 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	86.96	12.01
33 42 11 00-1413 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	97.65	13.51
33 42 11 00-1414 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.27	15.01
33 42 11 00-1415 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.42	17.10
33 42 11 00-1416 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.82	20.21
33 42 11 00-1417 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	159.30	23.32
33 42 11 00-1418 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1400)</small>		
33 42 11 00-1419 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.34	13.51
33 42 11 00-1420 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.27	15.01
33 42 11 00-1421 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.84	17.10
33 42 11 00-1422 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.99	20.21
33 42 11 00-1423 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.21	23.32
33 42 11 00-1424 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.41	26.43
33 42 11 00-1425 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	297.48	27.99
33 42 11 00-1426 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1400)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1427 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.47	23.32
33 42 11 00-1428 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.03	26.43
33 42 11 00-1429 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	350.46	27.99
33 42 11 00-1430 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	407.65	34.20
33 42 11 00-1431 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.83	49.75
33 42 11 00-1432 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.35	54.41
33 42 11 00-1433 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	539.46	58.29
33 42 11 00-1434 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0550)</small>		
33 42 11 00-1435 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1434)</small>		
33 42 11 00-1436 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1435)</small>		
33 42 11 00-1437 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	36.70	8.25
<i>For Bituminous Coated Pipe, Add</i>	3.38	
33 42 11 00-1438 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	41.16	9.00
<i>For Bituminous Coated Pipe, Add</i>	4.04	
33 42 11 00-1439 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	47.05	9.76
<i>For Bituminous Coated Pipe, Add</i>	4.80	
33 42 11 00-1440 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1435)</small>		
33 42 11 00-1441 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	40.99	8.25
<i>For Bituminous Coated Pipe, Add</i>	3.37	
33 42 11 00-1442 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	45.27	9.00
<i>For Bituminous Coated Pipe, Add</i>	3.88	
33 42 11 00-1443 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	53.00	9.76
<i>For Bituminous Coated Pipe, Add</i>	4.77	
33 42 11 00-1444 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	59.62	10.51
<i>For Bituminous Coated Pipe, Add</i>	5.47	
33 42 11 00-1445 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	77.10	13.51
<i>For Bituminous Coated Pipe, Add</i>	6.92	
33 42 11 00-1446 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1435)</small>		
33 42 11 00-1447 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	72.68	10.51
<i>For Bituminous Coated Pipe, Add</i>	5.21	
33 42 11 00-1448 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	93.38	13.51
<i>For Bituminous Coated Pipe, Add</i>	6.57	
33 42 11 00-1449 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	118.27	17.10
<i>For Bituminous Coated Pipe, Add</i>	8.20	
33 42 11 00-1450 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	136.56	20.21
<i>For Bituminous Coated Pipe, Add</i>	9.70	
33 42 11 00-1451 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1435)</small>		
33 42 11 00-1452 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	139.03	17.10
<i>For Bituminous Coated Pipe, Add</i>	7.91	
33 42 11 00-1453 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	160.82	20.21
<i>For Bituminous Coated Pipe, Add</i>	9.34	
33 42 11 00-1454 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	186.68	23.32
<i>For Bituminous Coated Pipe, Add</i>	10.94	
33 42 11 00-1455 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	209.25	26.43
<i>For Bituminous Coated Pipe, Add</i>	12.17	
33 42 11 00-1456 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1434)</small>		
33 42 11 00-1457 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1456)</small>		
33 42 11 00-1458 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	163.89	26.43
33 42 11 00-1459 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	179.39	27.99
33 42 11 00-1460 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	218.09	34.20
33 42 11 00-1461 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1456)</small>		
33 42 11 00-1462 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	198.45	26.43
33 42 11 00-1463 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	217.66	27.99
33 42 11 00-1464 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	259.90	34.20
33 42 11 00-1465 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	306.48	49.75
33 42 11 00-1466 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	330.97	54.41
33 42 11 00-1467 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	353.40	58.29
33 42 11 00-1468 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1456)</small>		
33 42 11 00-1469 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	257.86	27.99
33 42 11 00-1470 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	302.31	34.20
33 42 11 00-1471 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	352.71	49.75

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1472 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	381.02	54.41
33 42 11 00-1473 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	407.21	58.29
33 42 11 00-1474 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	433.37	62.18
33 42 11 00-1475 Corrugated Steel Pipe Fittings <small>(33 42 11 00-0550)</small>		
Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1476 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1475)</small>		
Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1477 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	68.44	
33 42 11 00-1478 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	85.83	
33 42 11 00-1479 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	103.22	
33 42 11 00-1480 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	121.69	
33 42 11 00-1481 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	147.76	
33 42 11 00-1482 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	173.82	
33 42 11 00-1483 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	199.90	
33 42 11 00-1484 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	225.96	
33 42 11 00-1485 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	294.42	
33 42 11 00-1486 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	350.90	
33 42 11 00-1487 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	407.40	
33 42 11 00-1488 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	526.90	
33 42 11 00-1489 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	594.27	
33 42 11 00-1490 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	663.80	
33 42 11 00-1491 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	735.50	
33 42 11 00-1492 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	896.29	
33 42 11 00-1493 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	977.75	
33 42 11 00-1494 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,061.41	
33 42 11 00-1495 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,302.59	
33 42 11 00-1496 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,398.20	
33 42 11 00-1497 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,494.89	
33 42 11 00-1498 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,591.57	
33 42 11 00-1499 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,687.18	
33 42 11 00-1500 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,783.88	
33 42 11 00-1501 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,885.82	
33 42 11 00-1502 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,993.59	
33 42 11 00-1503 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,107.49	
33 42 11 00-1504 Fabricate Corrugated Steel Pipe Tees Or Laterals <small>(33 42 11 00-1475)</small>		
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1505 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	89.09	
33 42 11 00-1506 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	114.08	
33 42 11 00-1507 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	139.05	
33 42 11 00-1508 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	164.05	
33 42 11 00-1509 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	199.90	
33 42 11 00-1510 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	236.82	
33 42 11 00-1511 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	273.79	
33 42 11 00-1512 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	310.70	
33 42 11 00-1513 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	407.40	
33 42 11 00-1514 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	485.62	
33 42 11 00-1515 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	564.93	
33 42 11 00-1516 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	733.31	



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Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1517 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	825.66	
33 42 11 00-1518 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	921.26	
33 42 11 00-1519 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,019.03	
33 42 11 00-1520 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,242.83	
33 42 11 00-1521 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,353.66	
33 42 11 00-1522 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,466.65	
33 42 11 00-1523 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,804.49	
33 42 11 00-1524 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,933.79	
33 42 11 00-1525 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,063.07	
33 42 11 00-1526 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,193.43	
33 42 11 00-1527 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,323.81	
33 42 11 00-1528 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,453.07	
33 42 11 00-1529 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,589.54	
33 42 11 00-1530 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,733.60	
33 42 11 00-1531 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,885.65	

33 42 11 00-1532 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1475)

Note: Applied to pipe tasks.

33 42 11 00-1533 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	34.51	
33 42 11 00-1534 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	43.41	
33 42 11 00-1535 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	54.60	
33 42 11 00-1536 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	66.86	
33 42 11 00-1537 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	84.60	
33 42 11 00-1538 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	103.60	
33 42 11 00-1539 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	121.34	
33 42 11 00-1540 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	140.98	
33 42 11 00-1541 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	173.16	
33 42 11 00-1542 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	206.45	
33 42 11 00-1543 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	246.33	
33 42 11 00-1544 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	303.02	
33 42 11 00-1545 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	342.98	
33 42 11 00-1546 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	386.25	
33 42 11 00-1547 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	468.41	
33 42 11 00-1548 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	519.45	
33 42 11 00-1549 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	633.78	
33 42 11 00-1550 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	690.41	
33 42 11 00-1551 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	750.37	
33 42 11 00-1552 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	809.16	
33 42 11 00-1553 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	869.10	
33 42 11 00-1554 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	930.14	
33 42 11 00-1555 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	990.10	
33 42 11 00-1556 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,050.02	
33 42 11 00-1557 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,113.57	
33 42 11 00-1558 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,180.96	
33 42 11 00-1559 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,252.44	

33 42 11 00-1560 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1475)

33 42 11 00-1561 EA 6" Coupling Band, Corrugated Metal Pipe Fitting.....	7.82	
For Bituminous Coated, Add	2.27	
33 42 11 00-1562 EA 8" Coupling Band, Corrugated Metal Pipe Fitting.....	10.38	
For Bituminous Coated, Add	3.01	
33 42 11 00-1563 EA 10" Coupling Band, Corrugated Metal Pipe Fitting.....	13.08	
For Bituminous Coated, Add	3.79	
33 42 11 00-1564 EA 12" Coupling Band, Corrugated Metal Pipe Fitting.....	21.71	
For Bituminous Coated, Add	6.30	
33 42 11 00-1565 EA 15" Coupling Band, Corrugated Metal Pipe Fitting.....	27.38	
For Bituminous Coated, Add	7.94	
33 42 11 00-1566 EA 18" Coupling Band, Corrugated Metal Pipe Fitting.....	40.17	
For Bituminous Coated, Add	11.65	
33 42 11 00-1567 EA 21" Coupling Band, Corrugated Metal Pipe Fitting.....	47.67	
For Bituminous Coated, Add	13.82	
33 42 11 00-1568 EA 24" Coupling Band, Corrugated Metal Pipe Fitting.....	54.06	
For Bituminous Coated, Add	15.68	
33 42 11 00-1569 EA 30" Coupling Band, Corrugated Metal Pipe Fitting.....	93.55	
For Bituminous Coated, Add	27.13	
33 42 11 00-1570 EA 36" Coupling Band, Corrugated Metal Pipe Fitting.....	149.67	
For Bituminous Coated, Add	35.92	
33 42 11 00-1571 EA 42" Coupling Band, Corrugated Metal Pipe Fitting.....	175.86	
For Bituminous Coated, Add	42.21	

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1572 EA 48" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	197.06 47.29	
33 42 11 00-1573 EA 54" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	279.46 67.07	
33 42 11 00-1574 EA 60" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	399.71 71.95	
33 42 11 00-1575 EA 66" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	491.23 88.42	
33 42 11 00-1576 EA 72" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	631.02 88.34	
33 42 11 00-1577 EA 78" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	674.92 94.49	
33 42 11 00-1578 EA 84" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	719.06 100.67	
33 42 11 00-1579 EA 90" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	762.98 106.82	
33 42 11 00-1580 EA 96" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	807.01 112.98	
33 42 11 00-1581 EA 102" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	851.16 119.16	
33 42 11 00-1582 EA 108" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	895.10 125.31	
33 42 11 00-1583 EA 114" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,060.15 127.22	
33 42 11 00-1584 EA 120" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	982.92 117.95	
33 42 11 00-1585 EA 126" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,026.73 123.21	
33 42 11 00-1586 EA 132" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,070.85 128.50	
33 42 11 00-1587 EA 138" Coupling Band, Corrugated Metal Pipe Fitting..... <i>For Bituminous Coated, Add</i>	1,115.02 133.80	
33 42 11 00-1588 Corrugated Metal Pipe End Sections (33 42 11 00-0550)		
33 42 11 00-1589 Galvanized Corrugated Steel Pipe End Sections (33 42 11 00-1588)		
33 42 11 00-1590 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 11 00-1589) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 11 00-1591 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	196.23	52.52
33 42 11 00-1592 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	226.59	56.27
33 42 11 00-1593 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	263.16	60.02
33 42 11 00-1594 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	316.98	65.65
33 42 11 00-1595 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	350.79	71.28
33 42 11 00-1596 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 11 00-1589) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 11 00-1597 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	557.26	80.65
33 42 11 00-1598 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	716.60	93.28
33 42 11 00-1599 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,092.16	108.82
33 42 11 00-1600 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,332.53	124.36
33 42 11 00-1601 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,588.81	155.46
33 42 11 00-1602 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,856.45	186.55
33 42 11 00-1603 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 11 00-1589) Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 11 00-1604 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	204.38	52.52
33 42 11 00-1605 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	234.97	56.27
33 42 11 00-1606 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	276.04	60.02
33 42 11 00-1607 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	332.44	65.65
33 42 11 00-1608 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	368.33	71.28
33 42 11 00-1609 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	611.10	80.65
33 42 11 00-1610 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	782.49	93.28
33 42 11 00-1611 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,238.15	108.82
33 42 11 00-1612 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,520.93	124.36
33 42 11 00-1613 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,779.34	155.46
33 42 11 00-1614 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,459.89	186.55
33 42 11 00-1615 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,805.46	279.83
33 42 11 00-1616 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,292.15	373.10
33 42 11 00-1617 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,584.81	400.30
33 42 11 00-1618 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,884.45	427.51
33 42 11 00-1619 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 11 00-1589)		
33 42 11 00-1620 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	23.22	
33 42 11 00-1621 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	25.68	
33 42 11 00-1622 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	28.70	
33 42 11 00-1623 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	31.18	
33 42 11 00-1624 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	34.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1625 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	59.59	
33 42 11 00-1626 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	64.16	
33 42 11 00-1627 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	86.66	
33 42 11 00-1628 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	93.05	
33 42 11 00-1629 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	113.22	
33 42 11 00-1630 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	116.38	
33 42 11 00-1631 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	125.16	
33 42 11 00-1632 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	145.16	
33 42 11 00-1633 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	162.14	
33 42 11 00-1634 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	166.74	
33 42 11 00-1635 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 11 00-1588)		
33 42 11 00-1636 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 11 00-1635)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 11 00-1637 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	226.59	56.27
33 42 11 00-1638 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	263.16	60.02
33 42 11 00-1639 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	316.98	65.65
33 42 11 00-1640 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	350.79	71.28
33 42 11 00-1641 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 11 00-1635)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 11 00-1642 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	219.56	56.27
33 42 11 00-1643 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	250.15	60.02
33 42 11 00-1644 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	279.74	65.65
33 42 11 00-1645 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	315.23	71.28
33 42 11 00-1646 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	455.88	80.65
33 42 11 00-1647 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	654.70	93.28
33 42 11 00-1648 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,012.02	108.82
33 42 11 00-1649 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,279.12	124.36
33 42 11 00-1650 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 11 00-1635)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 11 00-1651 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	223.13	56.27
33 42 11 00-1652 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	257.91	60.02
33 42 11 00-1653 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	291.87	65.65
33 42 11 00-1654 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	329.61	71.28
33 42 11 00-1655 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	480.32	80.65
33 42 11 00-1656 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	688.04	93.28
33 42 11 00-1657 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,065.34	108.82
33 42 11 00-1658 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,340.49	124.36
33 42 11 00-1659 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,614.03	155.46
33 42 11 00-1660 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,118.27	186.55
33 42 11 00-1661 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,960.32	279.83
33 42 11 00-1662 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,290.09	373.10
33 42 11 00-1663 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 11 00-1635)		
33 42 11 00-1664 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	25.68	
33 42 11 00-1665 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	28.70	
33 42 11 00-1666 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	31.18	
33 42 11 00-1667 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	34.82	
33 42 11 00-1668 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	59.59	
33 42 11 00-1669 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	64.16	
33 42 11 00-1670 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	86.66	
33 42 11 00-1671 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	96.55	
33 42 11 00-1672 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	113.22	
33 42 11 00-1673 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	117.78	
33 42 11 00-1674 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	136.53	
33 42 11 00-1675 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	157.68	
33 42 11 00-1676 Corrugated Aluminum Pipe End Sections (33 42 11 00-1588)		
33 42 11 00-1677 Corrugated Aluminum Pipe End Sections (33 42 11 00-1676)		
33 42 11 00-1678 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	290.92	52.52
33 42 11 00-1679 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	334.41	56.27
33 42 11 00-1680 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	395.11	60.02
33 42 11 00-1681 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	488.03	65.65
33 42 11 00-1682 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	634.48	71.28
33 42 11 00-1683 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	946.14	80.65
33 42 11 00-1684 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,278.36	93.28
33 42 11 00-1685 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,588.16	93.28
33 42 11 00-1686 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,024.21	108.82
33 42 11 00-1687 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,884.85	124.36
33 42 11 00-1688 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,197.96	155.46
33 42 11 00-1689 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	4,307.14	186.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1690 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,888.02	279.83
33 42 11 00-1691 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,723.50	373.10
33 42 11 00-1692 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,250.03	400.30
33 42 11 00-1693 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,595.64	427.51
33 42 11 00-1694 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,007.04	466.37
33 42 11 00-1695 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,969.61	505.24
33 42 11 00-1696 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 11 00-1676)		
33 42 11 00-1697 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.71	
33 42 11 00-1698 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	44.15	
33 42 11 00-1699 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	47.72	
33 42 11 00-1700 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	53.57	
33 42 11 00-1701 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	56.93	
33 42 11 00-1702 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	73.94	
33 42 11 00-1703 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	88.19	
33 42 11 00-1704 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	92.69	
33 42 11 00-1705 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	101.64	
33 42 11 00-1706 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	114.86	
33 42 11 00-1707 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	135.52	
33 42 11 00-1708 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	186.60	
33 42 11 00-1709 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	202.34	
33 42 11 00-1710 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	259.15	
33 42 11 00-1711 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	280.78	
33 42 11 00-1712 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	299.32	
33 42 11 00-1713 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	318.70	
33 42 11 00-1714 EA 96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	338.42	
33 42 11 00-1715 Corrugated Aluminum Pipe-Arch End Sections (33 42 11 00-1588)		
33 42 11 00-1716 Corrugated Aluminum Pipe-Arch End Sections (33 42 11 00-1715)		
33 42 11 00-1717 EA 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	344.42	56.27
33 42 11 00-1718 EA 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	419.51	60.02
33 42 11 00-1719 EA 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	455.66	65.65
33 42 11 00-1720 EA 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	491.78	71.28
33 42 11 00-1721 EA 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	732.09	80.65
33 42 11 00-1722 EA 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,292.60	93.28
33 42 11 00-1723 EA 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,371.15	93.28
33 42 11 00-1724 EA 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,830.48	108.82
33 42 11 00-1725 EA 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,809.41	124.36
33 42 11 00-1726 EA 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,218.44	155.46
33 42 11 00-1727 EA 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,891.18	186.55
33 42 11 00-1728 EA 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,513.97	279.83
33 42 11 00-1729 EA 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,848.00	373.10
33 42 11 00-1730 EA 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,455.44	400.30
33 42 11 00-1731 EA 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,782.95	427.51
33 42 11 00-1732 EA 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,483.54	466.37
33 42 11 00-1733 EA 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,988.83	505.24
33 42 11 00-1734 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 11 00-1715)		
33 42 11 00-1735 EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	44.15	
33 42 11 00-1736 EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.72	
33 42 11 00-1737 EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	50.43	
33 42 11 00-1738 EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	55.19	
33 42 11 00-1739 EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	64.05	
33 42 11 00-1740 EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	82.51	
33 42 11 00-1741 EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	89.68	
33 42 11 00-1742 EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	101.64	
33 42 11 00-1743 EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	114.86	
33 42 11 00-1744 EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	135.52	
33 42 11 00-1745 EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	170.66	
33 42 11 00-1746 EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	215.69	
33 42 11 00-1747 EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	292.52	
33 42 11 00-1748 EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	331.59	
33 42 11 00-1749 EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	347.78	
33 42 11 00-1750 EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	361.22	
33 42 11 00-1751 EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	377.48	
33 42 11 00-1752 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 11 00-1588)		
33 42 11 00-1753 4:1 Corrugated Steel Pipe End Sections (33 42 11 00-1752)		
33 42 11 00-1754 EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	397.65	56.27
33 42 11 00-1755 EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	507.03	60.02
33 42 11 00-1756 EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	617.62	65.65
33 42 11 00-1757 EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	735.92	71.28
33 42 11 00-1758 EA 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	874.01	80.65
33 42 11 00-1759 EA 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,135.98	93.28



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1760 EA 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,791.78	108.82
33 42 11 00-1761 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections <small>(33 42 11 00-1752)</small>		
Note: Includes nut and bolt set.		
33 42 11 00-1762 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	278.55	
33 42 11 00-1763 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	547.85	
33 42 11 00-1764 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	601.16	
33 42 11 00-1765 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	687.19	
33 42 11 00-1766 6:1 Corrugated Steel Pipe End Sections <small>(33 42 11 00-1752)</small>		
33 42 11 00-1767 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	460.93	56.27
33 42 11 00-1768 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	601.90	60.02
33 42 11 00-1769 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	798.54	65.65
33 42 11 00-1770 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	937.19	71.28
33 42 11 00-1771 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,111.58	80.65
33 42 11 00-1772 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,345.67	93.28
33 42 11 00-1773 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,054.14	108.82
33 42 11 00-1774 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections <small>(33 42 11 00-1752)</small>		
Note: Includes nut and bolt set.		
33 42 11 00-1775 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	534.65	
33 42 11 00-1776 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	676.89	
33 42 11 00-1777 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	744.54	
33 42 11 00-1778 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	782.55	
33 42 11 00-1779 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section <small>(33 42 11 00-1752)</small>		
33 42 11 00-1780 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	48.83	
33 42 11 00-1781 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	54.52	
33 42 11 00-1782 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	59.32	
33 42 11 00-1783 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	66.12	
33 42 11 00-1784 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	98.21	
33 42 11 00-1785 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	105.38	
33 42 11 00-1786 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	140.13	
33 42 11 00-1787 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories <small>(33 42 11 00-1588)</small>		
33 42 11 00-1788 4:1 Corrugated Steel Pipe-Arch End Section <small>(33 42 11 00-1787)</small>		
33 42 11 00-1789 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	522.46	60.02
33 42 11 00-1790 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	653.95	65.65
33 42 11 00-1791 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	773.00	71.28
33 42 11 00-1792 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,447.97	80.65
33 42 11 00-1793 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections <small>(33 42 11 00-1787)</small>		
Note: Includes nut and bolt set.		
33 42 11 00-1794 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	371.19	
33 42 11 00-1795 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	672.85	
33 42 11 00-1796 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	709.08	
33 42 11 00-1797 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,041.75	
33 42 11 00-1798 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section <small>(33 42 11 00-1787)</small>		
33 42 11 00-1799 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	54.24	
33 42 11 00-1800 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	61.48	
33 42 11 00-1801 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	67.02	
33 42 11 00-1802 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	80.09	
33 42 13 Stormwater Culverts <small>(33 42)</small>		
33 42 13 13 Precast Concrete Stormwater Culverts <small>(33 42 13)</small>		
33 42 13 13-0001 Precast Reinforced Concrete Box Culvert <small>(33 42 13 13)</small>		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 13 13-0002 LF 4' x 2' Precast Reinforced Concrete Box Culvert	203.06	38.86
For Each LF Of Cut-Off Section, Add		8.12
33 42 13 13-0003 LF 4' x 3' Precast Reinforced Concrete Box Culvert	220.20	38.86
For Each LF Of Cut-Off Section, Add		8.81

33 Utilities**33 40 Storm Drainage Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0004 LF 5' x 3' Precast Reinforced Concrete Box Culvert.....	288.80	48.58
For Each LF Of Cut-Off Section, Add	11.55	
33 42 13 13-0005 LF 5' x 4' Precast Reinforced Concrete Box Culvert.....	309.47	48.58
For Each LF Of Cut-Off Section, Add	12.38	
33 42 13 13-0006 LF 5' x 5' Precast Reinforced Concrete Box Culvert.....	330.13	48.58
For Each LF Of Cut-Off Section, Add	13.21	
33 42 13 13-0007 LF 6' x 3' Precast Reinforced Concrete Box Culvert.....	349.03	50.53
For Each LF Of Cut-Off Section, Add	13.96	
33 42 13 13-0008 LF 6' x 4' Precast Reinforced Concrete Box Culvert.....	373.19	50.53
For Each LF Of Cut-Off Section, Add	14.93	
33 42 13 13-0009 LF 6' x 6' Precast Reinforced Concrete Box Culvert.....	421.33	50.53
For Each LF Of Cut-Off Section, Add	16.85	
33 42 13 13-0010 LF 7' x 4' Precast Reinforced Concrete Box Culvert.....	454.87	58.29
For Each LF Of Cut-Off Section, Add	18.19	
33 42 13 13-0011 LF 7' x 6' Precast Reinforced Concrete Box Culvert.....	551.53	79.28
For Each LF Of Cut-Off Section, Add	22.06	
33 42 13 13-0012 LF 8' x 2' Precast Reinforced Concrete Box Culvert.....	412.04	50.53
For Each LF Of Cut-Off Section, Add	16.48	
33 42 13 13-0013 LF 8' x 3' Precast Reinforced Concrete Box Culvert.....	450.49	58.29
For Each LF Of Cut-Off Section, Add	18.02	
33 42 13 13-0014 LF 8' x 4' Precast Reinforced Concrete Box Culvert.....	482.36	58.29
For Each LF Of Cut-Off Section, Add	19.29	
33 42 13 13-0015 LF 8' x 5' Precast Reinforced Concrete Box Culvert.....	548.47	77.73
For Each LF Of Cut-Off Section, Add	21.94	
33 42 13 13-0016 LF 8' x 6' Precast Reinforced Concrete Box Culvert.....	575.94	77.73
For Each LF Of Cut-Off Section, Add	23.04	
33 42 13 13-0017 LF 8' x 8' Precast Reinforced Concrete Box Culvert.....	669.52	97.16
For Each LF Of Cut-Off Section, Add	26.78	
33 42 13 13-0018 LF 9' x 4' Precast Reinforced Concrete Box Culvert.....	597.84	77.73
For Each LF Of Cut-Off Section, Add	23.91	
33 42 13 13-0019 LF 9' x 6' Precast Reinforced Concrete Box Culvert.....	698.23	97.16
For Each LF Of Cut-Off Section, Add	27.93	
33 42 13 13-0020 LF 10' x 3' Precast Reinforced Concrete Box Culvert.....	685.63	97.16
For Each LF Of Cut-Off Section, Add	27.43	
33 42 13 13-0021 LF 10' x 4' Precast Reinforced Concrete Box Culvert.....	718.76	97.16
For Each LF Of Cut-Off Section, Add	28.75	
33 42 13 13-0022 LF 10' x 5' Precast Reinforced Concrete Box Culvert.....	792.84	116.60
For Each LF Of Cut-Off Section, Add	31.71	
33 42 13 13-0023 LF 10' x 6' Precast Reinforced Concrete Box Culvert.....	827.34	116.60
For Each LF Of Cut-Off Section, Add	33.09	
33 42 13 13-0024 LF 10' x 7' Precast Reinforced Concrete Box Culvert.....	861.84	116.60
For Each LF Of Cut-Off Section, Add	34.47	
33 42 13 13-0025 LF 10' x 8' Precast Reinforced Concrete Box Culvert.....	896.12	116.60
For Each LF Of Cut-Off Section, Add	35.84	
33 42 13 13-0026 LF 12' x 3' Precast Reinforced Concrete Box Culvert.....	776.09	136.03
For Each LF Of Cut-Off Section, Add	31.04	
33 42 13 13-0027 LF 12' x 4' Precast Reinforced Concrete Box Culvert.....	985.15	136.03
For Each LF Of Cut-Off Section, Add	39.41	
33 42 13 13-0028 LF 12' x 6' Precast Reinforced Concrete Box Culvert.....	1,067.79	136.03
For Each LF Of Cut-Off Section, Add	42.71	
33 42 13 13-0029 LF 12' x 8' Precast Reinforced Concrete Box Culvert.....	1,150.41	136.03
For Each LF Of Cut-Off Section, Add	46.02	
33 42 13 13-0030 LF 16' x 10' Precast Reinforced Concrete Box Culvert.....	1,436.74	155.46
For Each LF Of Cut-Off Section, Add	57.47	
33 42 13 13-0031 LF 24' x 10' Precast Reinforced Concrete Box Culvert.....	1,767.26	155.46
For Each LF Of Cut-Off Section, Add	70.69	
33 42 13 13-0032 Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 13 13)</small>		
Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 13 13-0033 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	651.54	38.86
For Each LF Of Cut-Off Section, Add	26.06	
33 42 13 13-0034 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	729.79	38.86
For Each LF Of Cut-Off Section, Add	29.19	
33 42 13 13-0035 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	827.45	48.58
For Each LF Of Cut-Off Section, Add	33.10	
33 42 13 13-0036 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	905.70	48.58
For Each LF Of Cut-Off Section, Add	36.23	
33 42 13 13-0037 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	983.95	48.58
For Each LF Of Cut-Off Section, Add	39.36	
33 42 13 13-0038 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	909.59	50.53
For Each LF Of Cut-Off Section, Add	36.38	
33 42 13 13-0039 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	987.84	50.53
For Each LF Of Cut-Off Section, Add	39.51	
33 42 13 13-0040 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,144.34	50.53
For Each LF Of Cut-Off Section, Add	45.77	
33 42 13 13-0041 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,081.64	58.29
For Each LF Of Cut-Off Section, Add	43.27	
33 42 13 13-0042 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	1,280.09	79.28
For Each LF Of Cut-Off Section, Add	51.20	
33 42 13 13-0043 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	987.84	50.53
For Each LF Of Cut-Off Section, Add	39.51	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0044 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,081.64 43.27	58.29
33 42 13 13-0045 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,159.89 46.40	58.29
33 42 13 13-0046 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,276.98 51.08	77.73
33 42 13 13-0047 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,355.23 54.21	77.73
33 42 13 13-0048 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,550.59 62.02	97.16
33 42 13 13-0049 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,368.04 54.72	77.73
33 42 13 13-0050 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,574.14 62.97	97.16
33 42 13 13-0051 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,557.11 62.28	97.16
33 42 13 13-0052 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,650.03 66.00	97.16
33 42 13 13-0053 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,781.81 71.27	116.60
33 42 13 13-0054 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,874.72 74.99	116.60
33 42 13 13-0055 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,967.65 78.71	116.60
33 42 13 13-0056 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,060.57 82.42	116.60
33 42 13 13-0057 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,067.81 82.71	136.03
33 42 13 13-0058 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,173.42 86.94	136.03
33 42 13 13-0059 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,384.69 95.39	136.03
33 42 13 13-0060 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,595.96 103.84	136.03
33 42 13 13-0061 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,104.31 124.17	155.46
33 42 13 13-0062 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,902.42 156.10	155.46

33 44 Storm Utility Water Drains (33 40)

33 44 13 Utility Area Drains (33 44)

33 44 13 13 Catchbasins (33 44 13)

33 44 13 13-0001 Storm Drains (33 44 13 13)

See CSI section 33 39 13 00-0001 for manhole structures.

33 44 13 13-0002 Catch Basins And Inlet Basins (33 44 13 13-0001)

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 44 13 13-0003 Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0002)

Note: Inside dimensions.

33 44 13 13-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,313.02	246.58
33 44 13 13-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,567.11	288.91
33 44 13 13-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,821.19	331.17
33 44 13 13-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,075.28	373.51
33 44 13 13-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,329.35	415.77

33 44 13 13-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,676.10	245.09
33 44 13 13-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,076.99	326.79
33 44 13 13-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	2,656.20	445.63
33 44 13 13-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,231.97	519.90
33 44 13 13-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	3,691.94	594.16

33 44 13 13-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,800.88	267.38
33 44 13 13-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,494.23	371.35
33 44 13 13-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,052.51	482.76
33 44 13 13-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,525.18	557.04
33 44 13 13-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,472.40	713.00

33 44 13 13-0022 Cast In Place, Catch Basin (33 44 13 13-0002)

Note: Inside span, overall depth.

33 44 13 13-0023 3' x 3', Cast In Place, Catch Basins (33 44 13 13-0022)

33 44 13 13-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,602.49	298.13
33 44 13 13-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	1,700.34	316.99

33	33 Utilities
	33 40 Storm Drainage Utilities
	33 44 Storm Utility Water Drains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin.....	1,851.08	340.46
33 44 13 13-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,084.50	376.85
33 44 13 13-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,242.24	401.14
33 44 13 13-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,349.18	420.67
33 44 13 13-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,507.06	444.96
33 44 13 13-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,611.70	464.57
33 44 13 13-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,770.58	488.78
33 44 13 13-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,876.54	508.39
33 44 13 13-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,034.33	532.68
33 44 13 13-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin.....	379.31	66.55
33 44 13 13-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	1,846.12	344.61
33 44 13 13-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	1,970.11	368.83
33 44 13 13-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,127.44	393.11
33 44 13 13-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,400.06	435.38
33 44 13 13-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,574.33	462.86
33 44 13 13-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,697.67	485.66
33 44 13 13-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,874.11	513.14
33 44 13 13-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	2,997.45	535.94
33 44 13 13-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,172.64	563.42
33 44 13 13-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,296.24	586.22
33 44 13 13-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,471.49	613.70
33 44 13 13-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	433.96	76.72
33 44 13 13-0049 4' x 4', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,106.83	394.24
33 44 13 13-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,237.41	419.26
33 44 13 13-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin.....	2,419.89	448.89
33 44 13 13-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,732.17	497.10
33 44 13 13-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	2,925.07	527.77
33 44 13 13-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,065.97	553.84
33 44 13 13-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,258.88	584.51
33 44 13 13-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,399.53	610.58
33 44 13 13-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,592.43	641.26
33 44 13 13-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,733.33	667.33
33 44 13 13-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,926.24	698.07
33 44 13 13-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin.....	490.75	87.27
33 44 13 13-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,434.36	457.14
33 44 13 13-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,586.47	482.98
33 44 13 13-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,789.32	516.40
33 44 13 13-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,145.45	571.22
33 44 13 13-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,360.40	605.83
33 44 13 13-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,523.43	635.76
33 44 13 13-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,738.63	670.37
33 44 13 13-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,901.66	700.38
33 44 13 13-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,116.61	734.99
33 44 13 13-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,278.64	746.92
33 44 13 13-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,494.84	799.53
33 44 13 13-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	561.90	99.97
33 44 13 13-0075 5' x 5', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,125.52	579.83
33 44 13 13-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,522.12	640.73
33 44 13 13-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,755.99	678.69
33 44 13 13-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	3,936.96	711.96
33 44 13 13-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,168.59	749.84
33 44 13 13-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,350.55	783.11
33 44 13 13-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,583.44	821.07
33 44 13 13-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,763.15	854.34
33 44 13 13-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,997.02	892.22
33 44 13 13-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	828.92	111.55
33 44 13 13-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,477.94	646.60
33 44 13 13-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,042.55	731.95
33 44 13 13-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,302.07	774.13
33 44 13 13-0090 EA 5'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,508.67	811.93
33 44 13 13-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,769.44	854.42
33 44 13 13-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,977.03	892.22
33 44 13 13-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,236.56	934.70
33 44 13 13-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,443.17	972.51
33 44 13 13-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,702.68	1,014.98



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Water Drains	33 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	712.84	126.86
33 44 13 13-0097 6' x 6', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	3,849.00	716.49
33 44 13 13-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,471.09	810.15
33 44 13 13-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,749.99	856.04
33 44 13 13-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,975.71	897.26
33 44 13 13-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,253.61	943.17
33 44 13 13-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,480.59	984.39
33 44 13 13-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,758.23	1,030.29
33 44 13 13-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,984.22	1,071.51
33 44 13 13-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,263.11	1,117.41
33 44 13 13-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	782.92	139.70
33 44 13 13-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,236.43	789.72
33 44 13 13-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,078.04	914.94
33 44 13 13-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,384.99	965.75
33 44 13 13-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,639.93	1,011.87
33 44 13 13-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,984.87	1,062.59
33 44 13 13-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,201.82	1,108.80
33 44 13 13-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,508.77	1,159.52
33 44 13 13-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,763.71	1,205.64
33 44 13 13-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,071.90	1,256.45
33 44 13 13-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	883.96	157.08
33 44 13 13-0119 7' x 7', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	4,641.41	866.15
33 44 13 13-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,562.21	1,002.80
33 44 13 13-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	5,888.98	1,057.17
33 44 13 13-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,162.57	1,106.78
33 44 13 13-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,490.25	1,161.08
33 44 13 13-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,763.85	1,210.77
33 44 13 13-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,090.61	1,265.06
33 44 13 13-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,365.20	1,314.75
33 44 13 13-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,691.90	1,369.04
33 44 13 13-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	961.53	171.12
33 44 13 13-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,246.76	972.14
33 44 13 13-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,066.28	1,094.23
33 44 13 13-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,411.62	1,152.09
33 44 13 13-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,706.02	1,205.27
33 44 13 13-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,052.29	1,263.13
33 44 13 13-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,346.69	1,316.31
33 44 13 13-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,692.03	1,374.16
33 44 13 13-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,986.44	1,427.34
33 44 13 13-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,332.77	1,485.20
33 44 13 13-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,041.57	185.68
33 44 13 13-0141 8' x 8', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	5,704.08	1,057.69
33 44 13 13-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,588.84	1,189.23
33 44 13 13-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	6,953.81	1,250.57
33 44 13 13-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,268.06	1,307.32
33 44 13 13-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,632.95	1,368.67
33 44 13 13-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,945.20	1,425.41
33 44 13 13-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,312.09	1,486.76
33 44 13 13-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,626.32	1,543.50
33 44 13 13-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,984.63	1,604.85
33 44 13 13-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,123.90	200.61
33 44 13 13-0152 Precast Concrete Catch Basins (33 44 13 13-0022)		
Note: Inside dimensions.		
33 44 13 13-0153 1'-6" Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	507.22	158.26
33 44 13 13-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	706.17	237.39
33 44 13 13-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	895.38	308.61
33 44 13 13-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,072.07	364.79
33 44 13 13-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,320.76	462.91
33 44 13 13-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,511.11	534.13
33 44 13 13-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	105.29	35.61

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 13 13-0161	2' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0162	EA 4' Deep, 2' Diameter Precast Catch Basin	577.82	176.06
33 44 13 13-0163	EA 6' Deep, 2' Diameter Precast Catch Basin	800.04	261.13
33 44 13 13-0164	EA 8' Deep, 2' Diameter Precast Catch Basin	1,010.42	344.21
33 44 13 13-0165	EA 10' Deep, 2' Diameter Precast Catch Basin	1,205.92	401.59
33 44 13 13-0166	EA 12' Deep, 2' Diameter Precast Catch Basin	1,494.69	514.34
33 44 13 13-0167	EA 14' Deep, 2' Diameter Precast Catch Basin	1,707.95	593.47
33 44 13 13-0168	VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	119.04	42.74
33 44 13 13-0169	3' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0170	EA 4' Deep, 3' Diameter Precast Catch Basin	761.67	207.72
33 44 13 13-0171	EA 6' Deep, 3' Diameter Precast Catch Basin	1,040.43	307.03
33 44 13 13-0172	EA 8' Deep, 3' Diameter Precast Catch Basin	1,307.87	405.55
33 44 13 13-0173	EA 10' Deep, 3' Diameter Precast Catch Basin	1,628.83	506.43
33 44 13 13-0174	EA 12' Deep, 3' Diameter Precast Catch Basin	1,924.30	603.76
33 44 13 13-0175	EA 14' Deep, 3' Diameter Precast Catch Basin	2,209.66	702.67
33 44 13 13-0176	VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	152.08	50.19
33 44 13 13-0177	4' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0178	EA 4' Deep, 4' Diameter Precast Catch Basin	920.68	231.06
33 44 13 13-0179	EA 6' Deep, 4' Diameter Precast Catch Basin	1,198.01	316.53
33 44 13 13-0180	EA 8' Deep, 4' Diameter Precast Catch Basin	1,606.11	474.78
33 44 13 13-0181	EA 10' Deep, 4' Diameter Precast Catch Basin	2,004.23	593.47
33 44 13 13-0182	EA 12' Deep, 4' Diameter Precast Catch Basin	2,369.52	712.17
33 44 13 13-0183	EA 14' Deep, 4' Diameter Precast Catch Basin	2,723.55	830.87
33 44 13 13-0184	VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	186.99	59.34
33 44 13 13-0185	5' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0186	EA 4' Deep, 5' Diameter Precast Catch Basin	1,239.66	316.53
33 44 13 13-0187	EA 6' Deep, 5' Diameter Precast Catch Basin	1,698.66	474.78
33 44 13 13-0188	EA 8' Deep, 5' Diameter Precast Catch Basin	2,160.00	633.04
33 44 13 13-0189	EA 10' Deep, 5' Diameter Precast Catch Basin	2,642.11	791.30
33 44 13 13-0190	EA 12' Deep, 5' Diameter Precast Catch Basin	3,117.31	949.57
33 44 13 13-0191	EA 14' Deep, 5' Diameter Precast Catch Basin	3,628.45	1,107.83
33 44 13 13-0192	VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	248.81	79.13
33 44 13 13-0193	6' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0194	EA 4' Deep, 6' Diameter Precast Catch Basin	1,814.35	474.78
33 44 13 13-0195	EA 6' Deep, 6' Diameter Precast Catch Basin	2,462.07	712.17
33 44 13 13-0196	EA 8' Deep, 6' Diameter Precast Catch Basin	3,154.45	949.57
33 44 13 13-0197	EA 10' Deep, 6' Diameter Precast Catch Basin	3,931.50	1,186.95
33 44 13 13-0198	EA 12' Deep, 6' Diameter Precast Catch Basin	4,685.41	1,424.34
33 44 13 13-0199	EA 14' Deep, 6' Diameter Precast Catch Basin	5,422.36	1,661.74
33 44 13 13-0200	VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	370.89	118.70
33 44 13 13-0201	Precast Catch Basins Accessories (33 44 13 13-0152)		
33 44 13 13-0202	EA Single Or Double Wing Slab Top With Throat	1,103.07	514.34
33 44 13 13-0203	EA 4' x 4' Weir Box, Precast Catch Basin	500.46	63.30
33 44 13 13-0204	EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	282.59	67.26
33 44 13 13-0205	EA 3' Diameter, Up To 6" High, Precast Extension Ring	352.91	98.91
	<i>For Each Additional Inch In Height, Add</i>	42.32	
33 44 13 13-0206	EA 4' Diameter, Up To 6" High, Precast Extension Ring	416.36	118.70
	<i>For Each Additional Inch In Height, Add</i>	49.59	
33 44 13 13-0207	EA 5' Diameter, Up To 6" High, Precast Extension Ring	485.62	138.47
	<i>For Each Additional Inch In Height, Add</i>	57.88	
33 44 13 13-0208	EA 6' Diameter, Up To 6" High, Precast Extension Ring	608.85	197.83
	<i>For Each Additional Inch In Height, Add</i>	68.54	
33 44 13 13-0209	EA Adjust Existing Catch Basin Inlet Grate To Match Grade	474.75	
33 44 13 13-0210	Catch Basin Risers (33 44 13 13-0152)		
33 44 13 13-0211	EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser	285.67	
33 44 13 13-0212	EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	318.56	
33 44 13 13-0213	EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser	357.62	
33 44 13 13-0214	EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	307.50	
33 44 13 13-0215	EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	342.58	
33 44 13 13-0216	EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	385.88	
33 44 13 13-0217	EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	339.98	
33 44 13 13-0218	EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	371.15	
33 44 13 13-0219	EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	414.61	
33 44 13 13-0220	Concrete Drainage Inlet Structures (CALTRANS) (33 44 13 13-0001)		
33 44 13 13-0221	Type OS Concrete Drainage Inlet Structure (33 44 13 13-0220)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0222	EA			3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	1,956.11	
33 44 13 13-0223	EA			4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,273.03	
33 44 13 13-0224	EA			5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,567.46	
33 44 13 13-0225	EA			6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,839.39	
33 44 13 13-0226	EA			7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,088.85	
33 44 13 13-0227	EA			8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,315.82	
33 44 13 13-0228	EA			8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	4,511.89	
33 44 13 13-0229	EA			10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,260.54	
33 44 13 13-0230	EA			12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	5,951.83	
33 44 13 13-0231	EA			14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,587.34	
33 44 13 13-0232	EA			16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,199.72	
33 44 13 13-0233	EA			18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,763.19	
33 44 13 13-0234	EA			20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,277.77	
33 44 13 13-0235 Type OL-7 Concrete Drainage Inlet Structure (33 44 13 13-0220)						
33 44 13 13-0236	EA			3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,663.63	
33 44 13 13-0237	EA			4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,960.00	
33 44 13 13-0238	EA			5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,233.87	
33 44 13 13-0239	EA			6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,485.25	
33 44 13 13-0240	EA			7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,713.36	
33 44 13 13-0241	EA			8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,919.78	
33 44 13 13-0242	EA			8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,080.30	
33 44 13 13-0243	EA			10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,811.53	
33 44 13 13-0244	EA			12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,485.38	
33 44 13 13-0245	EA			14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,102.66	
33 44 13 13-0246	EA			16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,699.98	
33 44 13 13-0247	EA			18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,248.40	
33 44 13 13-0248	EA			20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,747.91	
33 44 13 13-0249 Type OL-10 Concrete Drainage Inlet Structure (33 44 13 13-0220)						
33 44 13 13-0250	EA			3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,315.67	
33 44 13 13-0251	EA			4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,593.26	
33 44 13 13-0252	EA			5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,847.56	
33 44 13 13-0253	EA			6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,080.18	
33 44 13 13-0254	EA			7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,289.51	
33 44 13 13-0255	EA			8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,476.36	
33 44 13 13-0256	EA			8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,648.73	
33 44 13 13-0257	EA			10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,361.73	
33 44 13 13-0258	EA			12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,018.93	
33 44 13 13-0259	EA			14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,618.77	
33 44 13 13-0260	EA			16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,200.24	
33 44 13 13-0261	EA			18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,733.60	
33 44 13 13-0262	EA			20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,217.27	
33 44 13 13-0263 Type OL-14 Concrete Drainage Inlet Structure (33 44 13 13-0220)						
33 44 13 13-0264	EA			3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,245.17	
33 44 13 13-0265	EA			4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,495.07	
33 44 13 13-0266	EA			5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,722.48	
33 44 13 13-0267	EA			6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,927.40	
33 44 13 13-0268	EA			7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,109.84	
33 44 13 13-0269	EA			8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,269.79	
33 44 13 13-0270	EA			8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,454.01	
33 44 13 13-0271	EA			10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,142.22	
33 44 13 13-0272	EA			12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,773.87	
33 44 13 13-0273	EA			14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,348.93	
33 44 13 13-0274	EA			16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,909.80	
33 44 13 13-0275	EA			18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,420.97	
33 44 13 13-0276	EA			20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,883.23	
33 44 13 13-0277 Type OL-21 Concrete Drainage Inlet Structure (33 44 13 13-0220)						
33 44 13 13-0278	EA			3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,131.90	
33 44 13 13-0279	EA			4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,326.72	
33 44 13 13-0280	EA			5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,499.05	
33 44 13 13-0281	EA			6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,648.89	
33 44 13 13-0282	EA			7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,775.46	
33 44 13 13-0283	EA			8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,880.33	
33 44 13 13-0284	EA			8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,029.02	
33 44 13 13-0285	EA			10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,668.44	
33 44 13 13-0286	EA			12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,251.28	
33 44 13 13-0287	EA			14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,777.55	
33 44 13 13-0288	EA			16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,296.21	
33 44 13 13-0289	EA			18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,765.17	
33 44 13 13-0290	EA			20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,185.23	
33 44 13 13-0291 Type GOL-7 Concrete Drainage Inlet Structure (33 44 13 13-0220)						

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 13 13-0292	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,232.43	
33 44 13 13-0293	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,559.59	
33 44 13 13-0294	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,860.94	
33 44 13 13-0295	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,136.50	
33 44 13 13-0296	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,387.02	
33 44 13 13-0297	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,612.54	
33 44 13 13-0298	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,873.74	
33 44 13 13-0299	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,688.16	
33 44 13 13-0300	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,438.95	
33 44 13 13-0301	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,125.37	
33 44 13 13-0302	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,790.75	
33 44 13 13-0303	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,401.14	
33 44 13 13-0304	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,955.74	

33 44 13 13-0305 Type GOL-10 Concrete Drainage Inlet Structure (33 44 13 13-0220)

33 44 13 13-0306	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,939.96	
33 44 13 13-0307	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,245.77	
33 44 13 13-0308	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,526.57	
33 44 13 13-0309	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,782.35	
33 44 13 13-0310	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,012.33	
33 44 13 13-0311	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,216.50	
33 44 13 13-0312	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,477.69	
33 44 13 13-0313	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,273.13	
33 44 13 13-0314	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,004.97	
33 44 13 13-0315	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,673.18	
33 44 13 13-0316	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,322.14	
33 44 13 13-0317	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,916.07	
33 44 13 13-0318	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,455.01	

33 44 13 13-0319 Type G-1 Concrete Drainage Inlet Structure (33 44 13 13-0220)

33 44 13 13-0320	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,317.94	
33 44 13 13-0321	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,575.94	
33 44 13 13-0322	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,815.12	
33 44 13 13-0323	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,037.07	
33 44 13 13-0324	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,241.77	
33 44 13 13-0325	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,427.66	

33 44 13 13-0326 Type G-2 Concrete Drainage Inlet Structure (33 44 13 13-0220)

33 44 13 13-0327	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,817.37	
33 44 13 13-0328	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,107.40	
33 44 13 13-0329	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,376.90	
33 44 13 13-0330	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,625.82	
33 44 13 13-0331	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,854.20	
33 44 13 13-0332	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,061.21	
33 44 13 13-0333	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,144.78	
33 44 13 13-0334	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,835.51	
33 44 13 13-0335	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,474.22	
33 44 13 13-0336	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,060.92	
33 44 13 13-0337	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,626.32	
33 44 13 13-0338	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,146.78	
33 44 13 13-0339	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,621.51	

33 44 13 13-0340 Type G-3 Concrete Drainage Inlet Structure (33 44 13 13-0220)

33 44 13 13-0341	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,428.94	
33 44 13 13-0342	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,683.36	
33 44 13 13-0343	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,919.77	
33 44 13 13-0344	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,138.94	
33 44 13 13-0345	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,339.28	
33 44 13 13-0346	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,522.39	

33 44 13 13-0347 Type G-4_24 Concrete Drainage Inlet Structure (33 44 13 13-0220)

33 44 13 13-0348	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,761.87	
33 44 13 13-0349	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,053.71	
33 44 13 13-0350	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,324.97	
33 44 13 13-0351	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,574.88	
33 44 13 13-0352	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,805.05	
33 44 13 13-0353	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,013.84	
33 44 13 13-0354	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,121.09	
33 44 13 13-0355	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,813.11	
33 44 13 13-0356	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,452.32	
33 44 13 13-0357	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,039.52	
33 44 13 13-0358	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,605.31	
33 44 13 13-0359	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,126.17	
33 44 13 13-0360	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,602.10	



	Utilities	33	
	Storm Drainage Utilities	33 40	CS
	Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0361 Type G-4_18 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0362 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,817.37	
33 44 13 13-0363 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,107.40	
33 44 13 13-0364 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,376.90	
33 44 13 13-0365 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,625.82	
33 44 13 13-0366 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,854.20	
33 44 13 13-0367 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,061.21	
33 44 13 13-0368 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,144.78	
33 44 13 13-0369 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,835.51	
33 44 13 13-0370 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,474.22	
33 44 13 13-0371 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,060.92	
33 44 13 13-0372 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,626.32	
33 44 13 13-0373 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,146.78	
33 44 13 13-0374 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,621.51	
33 44 13 13-0375 Type G-5 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0376 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,415.06	
33 44 13 13-0377 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,669.74	
33 44 13 13-0378 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,907.18	
33 44 13 13-0379 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,125.82	
33 44 13 13-0380 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,327.19	
33 44 13 13-0381 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,510.55	
33 44 13 13-0382 Type G-6 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0383 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,442.79	
33 44 13 13-0384 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,696.99	
33 44 13 13-0385 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,933.15	
33 44 13 13-0386 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,151.28	
33 44 13 13-0387 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,351.37	
33 44 13 13-0388 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,534.24	
33 44 13 13-0389 Type GT1 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0390 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,413.91	
33 44 13 13-0391 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,811.70	
33 44 13 13-0392 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,208.72	
33 44 13 13-0393 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,523.06	
33 44 13 13-0394 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,835.85	
33 44 13 13-0395 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,121.09	
33 44 13 13-0396 Type GT2 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0397 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,927.23	
33 44 13 13-0398 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,360.31	
33 44 13 13-0399 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,761.64	
33 44 13 13-0400 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,132.04	
33 44 13 13-0401 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,470.66	
33 44 13 13-0402 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,778.33	
33 44 13 13-0403 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,394.79	
33 44 13 13-0404 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,413.16	
33 44 13 13-0405 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,353.65	
33 44 13 13-0406 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,217.05	
33 44 13 13-0407 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,050.37	
33 44 13 13-0408 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,816.31	
33 44 13 13-0409 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,514.89	
33 44 13 13-0410 Type GT3 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0411 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,400.04	
33 44 13 13-0412 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,798.08	
33 44 13 13-0413 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,168.56	
33 44 13 13-0414 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,510.72	
33 44 13 13-0415 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,823.76	
33 44 13 13-0416 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,109.25	
33 44 13 13-0417 Type GT4 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0418 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,024.33	
33 44 13 13-0419 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,454.10	
33 44 13 13-0420 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,852.92	
33 44 13 13-0421 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,219.98	
33 44 13 13-0422 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,556.08	
33 44 13 13-0423 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,861.23	
33 44 13 13-0424 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,406.64	
33 44 13 13-0425 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,424.75	
33 44 13 13-0426 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,364.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0427 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,227.36	
33 44 13 13-0428 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,060.47	
33 44 13 13-0429 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,826.22	
33 44 13 13-0430 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,524.60	
33 44 13 13-0431 Type GO Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0432 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,720.26	
33 44 13 13-0433 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,000.00	
33 44 13 13-0434 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,259.67	
33 44 13 13-0435 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,499.27	
33 44 13 13-0436 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,718.83	
33 44 13 13-0437 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,919.10	
33 44 13 13-0438 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,014.50	
33 44 13 13-0439 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,684.67	
33 44 13 13-0440 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,303.13	
33 44 13 13-0441 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,871.45	
33 44 13 13-0442 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,420.16	
33 44 13 13-0443 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,924.01	
33 44 13 13-0444 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,384.59	
33 44 13 13-0445 Type GDO Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0446 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,247.44	
33 44 13 13-0447 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,615.15	
33 44 13 13-0448 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,956.61	
33 44 13 13-0449 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,272.59	
33 44 13 13-0450 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,561.55	
33 44 13 13-0451 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,825.04	
33 44 13 13-0452 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,163.20	
33 44 13 13-0453 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,026.97	
33 44 13 13-0454 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,825.14	
33 44 13 13-0455 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,558.51	
33 44 13 13-0456 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,265.61	
33 44 13 13-0457 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,915.94	
33 44 13 13-0458 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,509.53	
33 44 13 13-0459 Headwalls (33 44 13 13-0001)		
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
33 44 13 13-0460 Cast In Place Concrete Headwalls (33 44 13 13-0459)		
33 44 13 13-0461 Skewed Wingwall, Cast In Place Concrete Headwall (33 44 13 13-0460)		
Note: Sized by pipe diameter.		
33 44 13 13-0462 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,000.92	501.33
33 44 13 13-0463 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,264.98	534.75
33 44 13 13-0464 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,644.30	700.45
33 44 13 13-0465 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,537.83	1,002.66
33 44 13 13-0466 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,512.05	1,336.88
33 44 13 13-0467 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,428.36	1,762.15
33 44 13 13-0468 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,170.63	2,430.67
33 44 13 13-0469 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,329.86	2,864.71
33 44 13 13-0470 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,827.14	3,487.54
33 44 13 13-0471 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,616.95	4,221.71
33 44 13 13-0472 Precast Concrete Headwalls (33 44 13 13-0459)		
33 44 13 13-0473 EA 12" Pipe, Precast Concrete Headwall	500.97	135.04
33 44 13 13-0474 EA 15" Pipe, Precast Concrete Headwall	523.47	142.55
33 44 13 13-0475 EA 18" Pipe, Precast Concrete Headwall	578.35	162.06
33 44 13 13-0476 EA 24" Pipe, Precast Concrete Headwall	635.64	172.55
33 44 13 13-0477 EA 30" Pipe, Precast Concrete Headwall	822.14	202.57
33 44 13 13-0478 EA 36" Pipe, Precast Concrete Headwall	931.87	210.07
33 44 13 13-0479 EA 42" Pipe, Precast Concrete Headwall	1,184.80	239.87
33 44 13 13-0480 EA 48" Pipe, Precast Concrete Headwall	1,300.85	264.28
33 44 13 13-0481 EA 54" Pipe, Precast Concrete Headwall	1,429.66	279.83
33 44 13 13-0482 EA 60" Pipe, Precast Concrete Headwall	1,611.22	279.83
33 44 13 13-0483 EA 72" Pipe, Precast Concrete Headwall	1,912.13	349.78
33 44 13 13-0484 EA 84" Pipe, Precast Concrete Headwall	2,650.56	419.73
33 44 13 13-0485 Precast Concrete Wingwalls (33 44 13 13-0459)		
33 44 13 13-0486 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall	3,183.31	1,385.14
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0487 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall	3,416.49	1,539.04
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0488 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall	3,805.14	1,795.54
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 44 13 13-0489 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall	4,193.79	2,052.05
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		



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Storm Drainage Utilities	33 40	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0490 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,193.79	2,052.05
33 44 13 13-0491 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,349.25	2,154.66
33 44 13 13-0492 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,573.66	2,205.95
33 44 13 13-0493 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,806.86	2,359.86
33 44 13 13-0494 Precast Concrete Transverse Drainage Interceptor (33 44 13 13-0494)		
33 44 13 13-0495 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	2,580.65	544.11
33 44 13 13-0496 Catch Basin Frames And Covers (33 44 13 13-0001)		
33 44 13 13-0497 Cast Iron Frames And Covers (33 44 13 13-0496)		
33 44 13 13-0498 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	398.64	79.13
33 44 13 13-0499 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	495.73	89.42
33 44 13 13-0500 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	553.91	92.58
33 44 13 13-0501 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	621.35	107.62
33 44 13 13-0502 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	719.02	122.66
33 44 13 13-0503 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,112.14	128.20
33 44 13 13-0504 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	615.98	97.33
33 44 13 13-0505 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	792.29	112.37
33 44 13 13-0506 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	888.85	117.12
33 44 13 13-0507 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	844.51	117.12
33 44 13 13-0508 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	873.54	121.86
33 44 13 13-0509 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	935.09	126.61
33 44 13 13-0510 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,112.66	136.11
33 44 13 13-0511 Curb Inlet Frames And Covers (33 44 13 13-0001)		
33 44 13 13-0512 Cast Iron Curb Inlet Frames And Covers (33 44 13 13-0511)		
33 44 13 13-0513 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover.....	757.34	92.58
33 44 13 13-0514 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover.....	811.44	107.62
33 44 13 13-0515 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover.....	840.49	107.62
33 44 13 13-0516 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover.....	920.82	126.61
33 44 13 13-0517 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover.....	915.43	135.32
33 44 13 13-0518 Area Yard Drain (33 44 13 13-0001)		
33 44 13 13-0519 Ductile Iron Grates (33 44 13 13-0518) Note: Not for traffic loading.		
33 44 13 13-0520 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	99.22	28.37
33 44 13 13-0521 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	118.64	30.25
33 44 13 13-0522 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	254.44	37.82
33 44 13 13-0523 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	304.14	45.38
33 44 16 Utility Trench Drains (33 44)		
33 44 16 00-0001 Modular Trench Drains (33 44 16) See CSI section 03 31 13 00-0011 for concrete.		
33 44 16 00-0002 Modular Trench Drains (33 44 16 00-0001) Note: Excludes grates. See CSI section 33 44 16 00-0096 for grates.		
33 44 16 00-0003 6" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain..... For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add For Type 304 Stainless Steel Top Veneer Frame, Add For Aluminum Veneer Bronze Anodized Frame, Add	76.52 29.64 59.29 94.86 23.72 11.86	12.66
33 44 16 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0008 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	37.17	
33 44 16 00-0009 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	45.08	
33 44 16 00-0010 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	45.08	
33 44 16 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0012 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	60.49	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0013 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.49	
33 44 16 00-0014 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	276.73	
33 44 16 00-0015 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	513.89	
33 44 16 00-0016 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 44 16 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0019 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	104.38	12.66
<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 44 16 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0021 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	39.55	
33 44 16 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.46	
33 44 16 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	47.46	
33 44 16 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.49	
33 44 16 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	60.49	
33 44 16 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	276.73	
33 44 16 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	513.89	
33 44 16 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	59.29	
33 44 16 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0032 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain	130.47	12.66
<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 44 16 00-0033 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0034 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	58.52	
33 44 16 00-0035 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	66.43	
33 44 16 00-0036 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	66.43	
33 44 16 00-0037 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0038 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.49	
33 44 16 00-0039 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	60.49	
33 44 16 00-0040 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	276.73	
33 44 16 00-0041 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	513.89	
33 44 16 00-0042 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	59.29	
33 44 16 00-0043 12" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0044 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0043)		
33 44 16 00-0045 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0046 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	135.60	17.41
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0047 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0048 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	69.72	
33 44 16 00-0049 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	80.28	
33 44 16 00-0050 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	80.28	
33 44 16 00-0051 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0052 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	105.17	
33 44 16 00-0053 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	134.81	
33 44 16 00-0054 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	535.19	
33 44 16 00-0055 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,009.51	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Water Drains	33 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0056 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 44 16 00-0057 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0058 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0059 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	165.25	17.41
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0060 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0061 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	72.09	
33 44 16 00-0062 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.65	
33 44 16 00-0063 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.65	
33 44 16 00-0064 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0065 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.17	
33 44 16 00-0066 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.81	
33 44 16 00-0067 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	535.19	
33 44 16 00-0068 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,009.51	
33 44 16 00-0069 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
33 44 16 00-0070 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0071 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0072 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	224.54	17.41
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0073 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0074 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	161.02	
33 44 16 00-0075 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.58	
33 44 16 00-0076 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.58	
33 44 16 00-0077 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0078 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	105.17	
33 44 16 00-0079 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	134.81	
33 44 16 00-0080 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	535.19	
33 44 16 00-0081 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,009.51	
33 44 16 00-0082 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 44 16 00-0083 23" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>		
33 44 16 00-0084 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0083)</small>		
33 44 16 00-0085 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0086 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	188.72	23.74
<i>For Acid Resistant Coated Frame, Add</i>	46.25	
<i>For Galvanized Frame Assembly, Add</i>	46.25	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	284.59	
33 44 16 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0088 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	198.90	
33 44 16 00-0089 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	307.50	
33 44 16 00-0090 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	307.50	
33 44 16 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0092 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	231.25	
33 44 16 00-0093 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,047.54	
33 44 16 00-0094 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,996.18	
33 44 16 00-0095 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 44 16 00-0096 Modular Trench Drain Grates <small>(33 44 16 00-0001)</small>		

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0097			6" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0098	LF		6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	60.88	2.37
33 44 16 00-0099	LF		6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	51.93	2.37
33 44 16 00-0100	LF		6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	54.42	2.37
33 44 16 00-0101	LF		6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.83	2.37
33 44 16 00-0102	LF		6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	51.39	2.37
33 44 16 00-0103	LF		6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	51.98	2.37
33 44 16 00-0104	LF		6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	51.98	2.37
33 44 16 00-0105	LF		6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	51.39	2.37
33 44 16 00-0106	LF		6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	45.46	2.37
33 44 16 00-0107	LF		6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.46	2.37
33 44 16 00-0108	LF		6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	48.19	2.37
33 44 16 00-0109	LF		6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	48.19	2.37
33 44 16 00-0110	LF		6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	62.06	2.37
33 44 16 00-0111	LF		6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	62.06	2.37
33 44 16 00-0112	LF		6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	111.87	2.37
33 44 16 00-0113	LF		6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	111.87	2.37
33 44 16 00-0114	LF		6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.52	2.37
33 44 16 00-0115	LF		6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	43.09	2.37
33 44 16 00-0116	LF		6" Wide, Fiberglass, Modular Trench Drain Grate.....	90.52	2.37
33 44 16 00-0117			12" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0118	LF		12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	164.43	2.57
33 44 16 00-0119	LF		12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	157.32	2.57
33 44 16 00-0120	LF		12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	137.16	2.57
33 44 16 00-0121	LF		12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	143.98	2.57
33 44 16 00-0122	LF		12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.71	2.57
33 44 16 00-0123	LF		12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	241.81	2.57
33 44 16 00-0124	LF		12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	241.81	2.57
33 44 16 00-0125	LF		12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	307.91	2.57
33 44 16 00-0126	LF		12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	307.91	2.57
33 44 16 00-0127	LF		12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	392.40	2.57
33 44 16 00-0128	LF		12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.40	2.57
33 44 16 00-0129	LF		12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	372.54	2.57
33 44 16 00-0130	LF		12" Wide, Fiberglass, Modular Trench Drain Grate.....	177.18	2.57
33 44 16 00-0131			23" Wide, Modular Trench Drain Grates (33 44 16 00-0096)		
33 44 16 00-0132	LF		23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	258.51	2.77
33 44 16 00-0133	LF		23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.19	2.77
33 44 16 00-0134	LF		23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	336.77	2.77
33 44 16 00-0135	LF		23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.21	2.77
33 44 19			Utility Oil and Gas Separators (33 44)		
33 44 19 19			Utility Oil and Gas Separators (33 44 19)		
33 44 19 19-0001			Oil/Water Separator (33 44 19 19) Note: Complete with internal sensors and detectors.		
33 44 19 19-0002			Coalescing Oil Water Separator (33 44 19 19-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 19 19-0003			Single Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0004	EA		550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	11,297.36	
			Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
			For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0005	EA		1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	13,379.86	
			Note: HTC-G 1000. 4' diameter x 14' long tank.		
			For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0006	EA		2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	15,621.79	
			Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
			For Interior Polyurethane Coating, Add	1,340.10	
33 44 19 19-0007			Double Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0008	EA		550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	16,450.56	
			Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
			For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0009	EA		1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	18,618.67	
			Note: HTC-G 1000. 4' diameter x 14' long tank.		
			For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0010	EA		2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	22,310.17	
			Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
			For Interior Polyurethane Coating, Add	1,340.10	
33 44 19 19-0011	EA		3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	25,652.28	
			Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
			For Interior Polyurethane Coating, Add	1,550.70	



		Utilities	33
		Storm Drainage Utilities	33 40
		Storm Utility Water Drains	33 44

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0012	EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank. <i>For Interior Polyurethane Coating, Add</i>	33,253.66 2,057.80	
33 44 19 19-0013	Accessories For Coalescing Oil Water Separators (33 44 19 19-0002)		
33 44 19 19-0014	EA Single Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP1.	639.88	
33 44 19 19-0015	EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	864.83	
33 44 19 19-0016	EA Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	501.91	
33 44 19 19-0017	EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	377.13	
33 44 19 19-0018	EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	143.16	
33 44 19 19-0019	EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,111.56	
33 44 19 19-0020	EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,223.11	
33 44 19 19-0021	EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,334.73	
33 44 19 19-0022	EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	408.53	
33 44 19 19-0023	EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	475.09	
33 44 19 19-0024	EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	950.16	
33 44 19 19-0025	EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,049.17	
33 44 19 19-0026	EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	564.51	
33 44 19 19-0027	EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	728.40	
33 44 19 19-0028	EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	996.28	
33 44 19 19-0029	EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator	1,774.10	
33 44 19 19-0030	EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,266.99	
33 44 19 19-0031	EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator	2,832.67	
33 44 19 19-0032	EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator	3,558.50	
33 44 19 19-0033	EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	693.59	
33 44 19 19-0034	EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	845.41	
33 44 19 19-0035	EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,327.90	
33 44 19 19-0036	EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	661.35	
33 44 19 19-0037	EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	802.77	
33 44 19 19-0038	EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	952.51	
33 44 19 19-0039	EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	56.15	
33 44 19 19-0040	EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	63.43	
33 44 19 19-0041	Oil Skimmers (33 44 19 19)		
33 44 19 19-0042	Oil Skimmers, 12" And 24" Models (33 44 19 19-0041)		
33 44 19 19-0043	EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,608.02	466.89
33 44 19 19-0044	EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,833.10	466.89
33 44 19 19-0045	EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,628.86	466.89
33 44 19 19-0046	EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,917.50	466.89
33 44 19 19-0047	EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	4,865.40	466.89
33 44 19 19-0048	EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,056.09	466.89
33 44 19 19-0049	EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	4,914.38	466.89
33 44 19 19-0050	EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,201.98	466.89
33 44 19 19-0051	EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,161.23	622.65
33 44 19 19-0052	EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,401.94	622.65
33 44 19 19-0053	EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,224.79	622.65
33 44 19 19-0054	EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,570.75	622.65
33 44 19 19-0055	EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,769.78	622.65
33 44 19 19-0056	EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,010.49	622.65
33 44 19 19-0057	EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,820.84	622.65
33 44 19 19-0058	EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,167.84	622.65
33 44 19 19-0059	Oil Skimmers, Add-Ons (33 44 19 19-0041)		
33 44 19 19-0060	LF Add For Belt Projection, 12" Width.....	15.63	
33 44 19 19-0061	LF Add For Belt Projection, 24" Width.....	29.18	
33 44 19 19-0062	LF Add For Spacer Stands, 12" Models.....	232.02	
33 44 19 19-0063	LF Add For Spacer Stands, 24" Models.....	277.87	

33 50 Fuel Distribution Utilities (33)

33 51 Natural-Gas Distribution (33 50)

33 Utilities**33 50 Fuel Distribution Utilities****33 51 Natural-Gas Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 51 13 Natural-Gas Piping** ^(33 51)**33 51 13 00-0001 Gas Distribution Lines** ^(33 51 13)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 70 Electrical Utilities ⁽³³⁾**33 71 Electrical Utility Transmission And Distribution** ^(33 70)**33 71 19 Electrical Underground Ducts And Manholes** ^(33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001 Electrical Handholes And Pull Boxes ^(33 71 19)**33 71 19 00-0002 Electrical Pull Boxes** ^(33 71 19 00-0001)

See CSI section 33 05 16 13-0427 for handholes.

33 71 19 00-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,352.57
33 71 19 00-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,611.31
33 71 19 00-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,857.80
33 71 19 00-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,847.22
33 71 19 00-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,027.70
33 71 19 00-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,251.55
33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,737.69
33 71 19 00-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	1,439.50
33 71 19 00-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	755.46
33 71 19 00-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	911.64
33 71 19 00-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	1,206.74
33 71 19 00-0014	EA	24" x 3", Round Electric Pull Boxes, Precast Concrete.....	741.33
33 71 19 00-0015	EA	30" x 3", Round Electric Pull Boxes, Precast Concrete.....	783.88
33 71 19 00-0016	EA	No. 5 Electric Precast Concrete Pull Boxes With Traffic Rated Lid.....	934.56
		<i>For 12" Extension, Add</i>	<i>89.46</i>
		<i>For Traffic Rated Lid, Add</i>	<i>64.10</i>
33 71 19 00-0017	EA	No. 6 Electric Precast Concrete Pull Boxes With Traffic Rated Lid.....	1,016.78
		<i>For 12" Extension, Add</i>	<i>110.02</i>
		<i>For Traffic Rated Lid, Add</i>	<i>88.77</i>

33 71 19 00-0018 Electrical Pull Boxes (CALTRANS And SDG&E) ^(33 71 19 00-0001)

33 71 19 00-0019	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	92.90
33 71 19 00-0020	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	31.62
33 71 19 00-0021	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	51.13
33 71 19 00-0022	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	95.95
33 71 19 00-0023	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	142.43
		<i>For Galvanized Steel Cover, Add</i>	<i>22.50</i>
33 71 19 00-0024	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	43.98
33 71 19 00-0025	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	43.98
33 71 19 00-0026	EA	Body, CALTRANS 5 Precast Concrete Pull Box	134.83
33 71 19 00-0027	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	40.42
33 71 19 00-0028	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	59.93
33 71 19 00-0029	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	185.33
		<i>For Galvanized Steel Cover, Add</i>	<i>41.25</i>
33 71 19 00-0030	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	57.73
33 71 19 00-0031	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	54.71
33 71 19 00-0032	EA	Body, CALTRANS 6 Precast Concrete Pull Box	143.63
33 71 19 00-0033	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	52.24
33 71 19 00-0034	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	71.75
33 71 19 00-0035	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	250.23
		<i>For Galvanized Steel Cover, Add</i>	<i>57.75</i>
33 71 19 00-0036	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	66.53
33 71 19 00-0037	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	63.23
33 71 19 00-0038	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	83.03
33 71 19 00-0039	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	173.48
33 71 19 00-0040	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	220.53
33 71 19 00-0041	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	77.53
33 71 19 00-0042	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	72.03
33 71 19 00-0043	EA	Body, CALTRANS 5-T Precast Concrete Pull Box.....	231.63
33 71 19 00-0044	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	314.03
33 71 19 00-0045	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	90.73
33 71 19 00-0046	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	88.53
33 71 19 00-0047	EA	Body, CALTRANS 6-T Precast Concrete Pull Box.....	311.93
33 71 19 00-0048	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	435.03
33 71 19 00-0049	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	145.73
33 71 19 00-0050	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	116.03
33 71 19 00-0051	EA	24" x 36" Handhole (SDG&E 3313K/T)	153.47
33 71 19 00-0052	EA	24" x 36" Traffic Cover (SDG&E 3313CSTG)	944.73

33 71 19 00-0053 Precast Concrete Box Extensions ^(33 71 19 00-0001)

33 71 19 00-0054	EA	14" x 20" x 12", Precast Concrete Extension	164.21
33 71 19 00-0055	EA	18" x 28" x 12", Precast Concrete Extension	206.27
33 71 19 00-0056	EA	24" x 36" x 12", Precast Concrete Extension	269.01



Utilities	33	33
Electrical Utilities	33 70	
Electrical Utility Transmission And Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0057 EA 30" x 48" x 12", Precast Concrete Extension	331.63	
33 71 19 00-0058 EA 36" x 60" x 12", Precast Concrete Extension	532.01	
33 71 19 00-0059 EA 36" x 72" x 12", Precast Concrete Extension	712.23	
33 71 19 00-0060 EA 48" x 48" x 12", Precast Concrete Extension	809.00	
33 71 19 00-0061 EA 48" x 60" x 12", Precast Concrete Extension	992.57	
33 71 19 00-0062 Electrical Property Line Boxes (33 71 19)		
33 71 19 00-0063 EA 3'-6" x 2'-9" x 2' Deep Property Line Box	2,568.68	293.16
33 71 19 00-0064 EA 4'-6" x 3'-6" x 4' Deep Property Line Box	2,995.26	304.02
33 71 19 00-0065 EA 6' x 4' x 5' Deep Property Line Box	3,307.05	369.16
33 71 19 00-0066 EA 11'-6" x 4'-6" x 6' Deep Property Line Box	5,050.53	542.89
33 71 19 00-0067 Underground Electrical Concrete Markers (33 71 19)		
33 71 19 00-0068 EA 36" x 6" x 6", Underground Electric Concrete Marker	257.95	
33 71 19 00-0069 Underground Cable Protection Slab And Marking (33 71 19)		
33 71 19 00-0070 EA 24" x 12", 2" Concrete, Underground Cable Protection.....	3.96	
33 71 19 00-0071 Manhole Accessories (33 71 19)		
33 71 19 00-0072 EA 6" Precast Grade Ring Riser Casting.....	359.43	
33 71 19 00-0073 EA 12" Precast Grade Ring Riser Casting.....	389.25	
33 71 19 00-0074 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D	1,217.63	
33 71 19 00-0075 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1	1,583.39	
33 71 19 00-0076 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	538.80	
33 71 19 00-0077 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	675.16	

END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 01 Operation And Maintenance Of Transportation ⁽³⁴⁾

34 01 23 Operation And Maintenance Of Railways ^(34 01)

34 01 23 33 Track Realignment ^(34 01 23)

34 01 23 33-0001 Realign Railroad Track ^(34 01 23 33)

34 01 23 33-0002	LF	Remove Track Rails and Ties And Re-Install Including New Bolts And Spikes.....		74.67
34 01 23 33-0003	EA	Remove Railroad Track Turnouts And Re-install Including New Bolts And Spikes		3,674.67

34 01 43 Operation And Maintenance Of Bridges ^(34 01)

34 01 43 00-0001 Repair Of Bridge Posts ^(34 01 43)

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar.....		28.58
34 01 43 00-0003	EA	Replace Concrete Post, 20" x 20" Square, 36" To 42" High		1,424.85
		Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.		
34 01 43 00-0004	EA	Repair Bearing Pad.....		506.42

34 01 43 00-0005 Repair Of Bridge Rails ^(34 01 43)

34 01 43 00-0006	EA	Repair Concrete Rail Supports		274.89
34 01 43 00-0007	LF	Repair Guardrail.....		103.09
34 01 43 00-0008	LF	Repair Bridge Parapet Wall		171.81
34 01 43 00-0009	LF	Repair Bridge Rail.....		68.72
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts.....		39.20
34 01 43 00-0011	LF	Replace Metal Rail, 1-1/2" Galvanized.....		42.26
34 01 43 00-0012	LF	Replace Metal Rail, 2-1/2" Galvanized.....		54.43
34 01 43 00-0013	LF	Replace Metal Rail, 3" Galvanized.....		60.79

34 01 43 00-0014 Repair Of Bridge ^(34 01 43)

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge		17.31
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34 05 Common Work Results For Transportation ⁽³⁴⁾

34 05 43 Common Work Results For Bridges ^(34 05)

34 05 43 00-0001 Mobilize Bridge Crew ^(34 05 43)

Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew		959.74
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34 05 43 00-0003 Bridge And Structures Concrete Repair ^(34 05 43)

Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.

34 05 43 00-0004 Patch Decks Or Floors ^(34 05 43 00-0003)

Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0005	EA	Patch Up To 16 SF Of Decks Or Floors, Portland Cement Based Repair Material		1,617.39
34 05 43 00-0006	SF	Patch >16 SF Decks Or Floors, Portland Cement Based Repair Material		67.68
34 05 43 00-0007	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Concrete Repair Material		1,656.21
34 05 43 00-0008	SF	Patch >16 SF Decks Or Floors, Rapid Set Concrete Repair Material		70.11
34 05 43 00-0009	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate.....		1,647.62
34 05 43 00-0010	SF	Patch >16 SF Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate		69.57
34 05 43 00-0011	EA	Patch Up To 16 SF Of Decks Or Floors, SSI Flex Patch (Other Than Specified)		2,305.63
		<i>For Owner Furnished Material, Deduct</i>		
				-820.90
34 05 43 00-0012	SF	Patch >16 SF Decks Or Floors, SSI Flex Patch (Other Than Specified)		110.70
		<i>For Owner Furnished Material, Deduct</i>		
				-51.31

34 05 43 00-0013 Patch Verticals Or Overheads ^(34 05 43 00-0003)

Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0014	EA	Patch Up To 16 SF Of Verticals Or Overheads, Portland Cement Based Repair Material		1,899.93
34 05 43 00-0015	SF	Patch >16 SF Verticals Or Overheads, Portland Cement Based Repair Material.....		81.62
34 05 43 00-0016	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Concrete Repair Material		1,938.75
34 05 43 00-0017	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Concrete Repair Material.....		84.05
34 05 43 00-0018	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate		1,930.16
34 05 43 00-0019	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate		83.51
34 05 43 00-0020	EA	Patch Up To 16 SF Of Verticals Or Overheads, SSI Flex Patch (Other Than Specified).....		2,602.56
		<i>For Owner Furnished Material, Deduct</i>		
				-820.90

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0021 SF Patch >16 SF Verticals Or Overheads, SSI Flex Patch (Other Than Specified)	124.64	
<i>For Owner Furnished Material, Deduct</i>	-50.41	
34 05 43 00-0022 Patch Pier Caps And Pedestals <small>(34 05 43 00-0003)</small>		
Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Portland Cement Based Repair Material	2,196.88	
34 05 43 00-0024 SF Patch >16 SF Pier Caps And Pedestals, Portland Cement Based Repair Material	92.76	
34 05 43 00-0025 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Concrete Repair Material	2,235.70	
34 05 43 00-0026 SF Patch >16 SF Pier Caps And Pedestals, Rapid Set Concrete Repair Material	95.19	
34 05 43 00-0027 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	2,227.11	
34 05 43 00-0028 SF Patch >16 SF Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	94.65	
34 05 43 00-0029 EA Patch Up To 16 SF Of Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	2,899.51	
<i>For Owner Furnished Material, Deduct</i>	-820.90	
34 05 43 00-0030 SF Patch >16 SF Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	135.78	
<i>For Owner Furnished Material, Deduct</i>	-50.41	
34 05 43 00-0031 Patch Circular Piers <small>(34 05 43 00-0003)</small>		
Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032 EA Patch Up To 16 SF Of Circular Pier, Portland Cement Based Repair Material	2,642.30	
34 05 43 00-0033 SF Patch >16 SF Of Circular Pier, Portland Cement Based Repair Material	103.89	
34 05 43 00-0034 EA Patch Up To 16 SF Of Circular Pier, Rapid Set Concrete Repair Material	2,681.12	
34 05 43 00-0035 SF Patch >16 SF Of Circular Pier, Rapid Set Concrete Repair Material	106.32	
34 05 43 00-0036 EA Patch Up To 16 SF Of Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	2,672.53	
34 05 43 00-0037 SF Patch >16 SF Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	105.78	
34 05 43 00-0038 EA Patch Up To 16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	3,344.93	
<i>For Owner Furnished Material, Deduct</i>	-820.90	
34 05 43 00-0039 SF Patch >16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	146.91	
<i>For Owner Furnished Material, Deduct</i>	-50.41	
34 05 43 00-0040 High Strength Shotcrete Repair <small>(34 05 43)</small>		
34 05 43 00-0041 EA Mobilize High Strength Shotcrete Repair Crew	585.73	
34 05 43 00-0042 SF Up to 2" Thick, High Strength Shotcrete Repair	45.10	
<i>For Up To 25, Add</i>	21.97	
<i>For >25 To 50, Add</i>	10.99	
<i>For >50 To 150, Add</i>	4.39	
34 05 43 00-0043 SF >2" To 4" Thick, High Strength Shotcrete Repair	53.56	
<i>For Up To 25, Add</i>	25.63	
<i>For >25 To 50, Add</i>	12.81	
<i>For >50 To 150, Add</i>	5.13	
34 05 43 00-0044 SF >4" To 6" Thick, High Strength Shotcrete Repair	62.05	
<i>For Up To 25, Add</i>	29.29	
<i>For >25 To 50, Add</i>	14.65	
<i>For >50 To 150, Add</i>	5.86	
34 05 43 00-0045 Bridge Railing <small>(34 05 43)</small>		
34 05 43 00-0046 Remove And Store Bridge Railings <small>(34 05 43 00-0045)</small>		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0047 LF Remove And Store One Rail Bridge Railing	5.97	
34 05 43 00-0048 LF Remove And Store Two Rail Bridge Railing	11.94	
34 05 43 00-0049 LF Remove And Store Three Rail Bridge Railing	17.90	
34 05 43 00-0050 LF Remove And Store Four Rail Bridge Railing	23.88	
34 05 43 00-0051 Install Stored Or Supplied Bridge Railings <small>(34 05 43 00-0045)</small>		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0052 LF Install Stored Or Supplied One Rail Bridge Railing	50.30	
34 05 43 00-0053 LF Install Stored Or Supplied Two Rail Bridge Railing	100.60	
34 05 43 00-0054 LF Install Stored Or Supplied Three Rail Bridge Railing	150.90	
34 05 43 00-0055 LF Install Stored Or Supplied Four Rail Bridge Railing	201.21	
34 05 43 00-0056 Bridge Bearings <small>(34 05 43)</small>		
Note: Excludes drilling and anchor bolts.		
34 05 43 00-0057 Elastomeric Bearings <small>(34 05 43 00-0056)</small>		
34 05 43 00-0058 EA Plain Elastomeric, Type EP Bearing, 716-10, All Loads	699.69	235.04
34 05 43 00-0059 EA Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,325.87	470.08
<i>For >100K To 250K Load, Add</i>	67.95	
<i>For >250K To 500K Load, Add</i>	135.90	
<i>For >500K To 750K Load, Add</i>	203.86	
34 05 43 00-0060 EA Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K	2,343.67	705.12
<i>For >100K To 250K Load, Add</i>	137.41	
<i>For >250K To 500K Load, Add</i>	274.83	
<i>For >500K To 750K Load, Add</i>	412.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0061	Fixed Structural Pot Bearings <small>(34 05 43 00-0056)</small>	
34 05 43 00-0062 EA 100K To 250K Fixed Structural Pot Bearing	1,893.62	
34 05 43 00-0063 EA >250K To 500K Fixed Structural Pot Bearing	2,941.62	
34 05 43 00-0064 EA >500K To 750K Fixed Structural Pot Bearing	3,989.61	
34 05 43 00-0065	Universal Structural Expansion Pot Bearings <small>(34 05 43 00-0056)</small>	
34 05 43 00-0066 EA 100K To 250K Universal Structural Pot Bearing	2,422.49	
34 05 43 00-0067 EA >250K To 500K Universal Structural Pot Bearing	3,757.47	
34 05 43 00-0068 EA >500K To 750K Universal Structural Pot Bearing	5,095.37	
34 05 43 00-0069	Guided Structural Expansion Pot Bearings <small>(34 05 43 00-0056)</small>	
34 05 43 00-0070 EA 100K To 250K Guided Structural Pot Bearing	2,504.78	
34 05 43 00-0071 EA >250K To 500K Guided Structural Pot Bearing	3,880.87	
34 05 43 00-0072 EA >500K To 750K Guided Structural Pot Bearing	5,259.90	
34 05 43 00-0073	Remove, Repair And Install Bridge Bearings <small>(34 05 43 00-0056)</small>	
34 05 43 00-0074	Remove Structural Bearings <small>(34 05 43 00-0073)</small>	
34 05 43 00-0075 EA 100K To 250K Structural Bearing Removal	337.87	
34 05 43 00-0076 EA >250K To 500K Structural Bearing Removal	675.74	
34 05 43 00-0077 EA >500K To 750K Structural Bearing Removal	1,013.61	
34 05 43 00-0078	Install And Set Supplied Or Restored Structural Bearings <small>(34 05 43 00-0073)</small>	
34 05 43 00-0079 EA 100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	506.80	
34 05 43 00-0080 EA >250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,013.61	
34 05 43 00-0081 EA >500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,520.40	
34 05 43 00-0082	Power Wash And Paint Structural Bearings <small>(34 05 43 00-0073)</small>	
Note: Includes bearing plates.		
34 05 43 00-0083 EA 100K To 250K Structural Bearing - Power Wash And Paint	788.41	
34 05 43 00-0084 EA >250K To 500K Structural Bearing - Power Wash And Paint	889.53	
34 05 43 00-0085 EA >500K To 750K Structural Bearing - Power Wash And Paint	990.67	
34 05 43 00-0086	Power Wash, Mechanically Clean And Paint Structural Bearings <small>(34 05 43 00-0073)</small>	
Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0087 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,049.60	
<i>For Vacuum Contained Cleaning, Add</i>	261.16	
34 05 43 00-0088 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,183.34	
<i>For Vacuum Contained Cleaning, Add</i>	293.80	
34 05 43 00-0089 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,316.79	
<i>For Vacuum Contained Cleaning, Add</i>	326.36	
34 05 43 00-0090	Power Wash And Paint Only Bearing Plates <small>(34 05 43 00-0073)</small>	
34 05 43 00-0091 EA 100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	492.14	
34 05 43 00-0092 EA >250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	591.67	
34 05 43 00-0093 EA >500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	691.20	
34 05 43 00-0094	Power Wash, Mechanically Clean And Paint Only Bearing Plates <small>(34 05 43 00-0073)</small>	
34 05 43 00-0095 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	656.28	
<i>For Vacuum Contained Cleaning, Add</i>	163.23	
34 05 43 00-0096 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	787.53	
<i>For Vacuum Contained Cleaning, Add</i>	195.87	
34 05 43 00-0097 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	918.50	
<i>For Vacuum Contained Cleaning, Add</i>	228.43	
34 05 43 00-0098	Sand Blast And Paint Structural Bearings <small>(34 05 43 00-0073)</small>	
Note: Includes bearing plates.		
34 05 43 00-0099 EA 100K To 250K Structural Bearing - Sand Blast And Paint	1,258.49	
<i>For Vacuum Contained Cleaning, Add</i>	313.39	
34 05 43 00-0100 EA >250K To 500K Structural Bearing - Sand Blast And Paint	1,418.38	
<i>For Vacuum Contained Cleaning, Add</i>	352.56	
34 05 43 00-0101 EA >500K To 750K Structural Bearing - Sand Blast And Paint	1,578.27	
<i>For Vacuum Contained Cleaning, Add</i>	391.73	
34 05 43 00-0102	Sand Blast And Paint Only Bearing Plates <small>(34 05 43 00-0073)</small>	
34 05 43 00-0103 EA 100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates.....	786.82	
<i>For Vacuum Contained Cleaning, Add</i>	195.87	
34 05 43 00-0104 EA >250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates.....	944.23	
<i>For Vacuum Contained Cleaning, Add</i>	235.04	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0105 EA >500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	1,101.64 274.21	
34 05 43 00-0106 Grease Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0107 EA 100K To 250K Structural Bearing - Grease.....	48.97	
34 05 43 00-0108 EA >250K To 500K Structural Bearing - Grease.....	73.45	
34 05 43 00-0109 EA >500K To 750K Structural Bearing - Grease.....	97.93	
34 05 43 00-0110 Replace Bronze Plate Wearing Pad (34 05 43 00-0073)		
34 05 43 00-0111 SF Replace Bronze Plate Wearing Pad.....	278.81	
34 05 43 00-0112 Bridge Bearing Rivet Removal (34 05 43 00-0073)		
See CSI section 02 41 19 13-0069 for reaming of hole, 34 05 43 00-0353 for anchors and grouting.		
34 05 43 00-0113 EA Bridge Bearing Rivet Removal	195.87	
34 05 43 00-0114 Bridge Pintels, Side Keeper, And Shim Plates (34 05 43)		
34 05 43 00-0115 EA Remove And Replace Bridge Pintel.....	194.84	
34 05 43 00-0116 EA Remove And Replace Bridge Side Keeper	197.85	
34 05 43 00-0117 EA ReFabricate And Install Shim Plates At One Bearing	118.65	
34 05 43 00-0118 EA ReFabricate And Install Beveled Shim Plates At One Bearing	118.65	
34 05 43 00-0119 EA ReFabricate And Install Finger Shim Plates At One Bearing	118.65	
34 05 43 00-0120 Vertical Jacking And Lifting (34 05 43)		
Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		
34 05 43 00-0121 Mobilize Jacking Crew And Equipment (34 05 43 00-0120)		
Note: Includes removing equipment after completion.		
34 05 43 00-0122 EA Mobilize Bridge Jacking Crew and Equipment	1,762.80	
<i>For Temporary Support Mobilization, Add</i>	3,525.60	
34 05 43 00-0123 Vertical Jacking And Lifting Per Point of Contact (34 05 43 00-0120)		
Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0124 EA Up To 10 Ton Jack, Per Point Of Contact.....	293.79	
<i>For Synchronized Lift, Add</i>	58.76	
<i>For Jacking From Temporary Support, Add</i>	117.52	
34 05 43 00-0125 EA >10 To 20 Ton Jack, Per Point Of Contact	342.76	
<i>For Synchronized Lift, Add</i>	68.55	
<i>For Jacking From Temporary Support, Add</i>	137.10	
34 05 43 00-0126 EA >20 To 40 Ton Jack, Per Point Of Contact	391.73	
<i>For Synchronized Lift, Add</i>	78.35	
<i>For Jacking From Temporary Support, Add</i>	156.69	
34 05 43 00-0127 EA >40 To 60 Ton Jack, Per Point Of Contact	440.70	
<i>For Synchronized Lift, Add</i>	88.14	
<i>For Jacking From Temporary Support, Add</i>	176.28	
34 05 43 00-0128 EA >60 To 80 Ton Jack, Per Point Of Contact	489.66	
<i>For Synchronized Lift, Add</i>	97.93	
<i>For Jacking From Temporary Support, Add</i>	195.86	
34 05 43 00-0129 EA >80 To 100 Ton Jack, Per Point Of Contact	538.63	
<i>For Synchronized Lift, Add</i>	107.73	
<i>For Jacking From Temporary Support, Add</i>	215.45	
34 05 43 00-0130 EA >100 To 120 Ton Jack, Per Point Of Contact.....	587.60	
<i>For Synchronized Lift, Add</i>	117.52	
<i>For Jacking From Temporary Support, Add</i>	235.04	
34 05 43 00-0131 EA >120 To 140 Ton Jack, Per Point Of Contact.....	612.08	
<i>For Synchronized Lift, Add</i>	122.42	
<i>For Jacking From Temporary Support, Add</i>	244.83	
34 05 43 00-0132 EA >140 To 160 Ton Jack, Per Point Of Contact.....	636.57	
<i>For Synchronized Lift, Add</i>	127.31	
<i>For Jacking From Temporary Support, Add</i>	254.63	
34 05 43 00-0133 EA >160 To 250 Ton Jack, Per Point Of Contact.....	636.57	
<i>For Synchronized Lift, Add</i>	127.31	
<i>For Jacking From Temporary Support, Add</i>	254.63	
34 05 43 00-0134 Daily Charge For Vertical Jacking Equipment (34 05 43 00-0120)		
Note: Includes hydraulics and synchronizing equipment.		
34 05 43 00-0135 DAY Up To 10 Ton Jacking Equipment Charge By The Day.....	8.46	
34 05 43 00-0136 DAY >10 To 20 Ton Jacking Equipment Charge By The Day.....	16.92	
34 05 43 00-0137 DAY >20 To 40 Ton Jacking Equipment Charge By The Day.....	33.85	
34 05 43 00-0138 DAY >40 To 60 Ton Jacking Equipment Charge By The Day	50.77	
34 05 43 00-0139 DAY >60 To 80 Ton Jacking Equipment Charge By The Day	67.69	
34 05 43 00-0140 DAY >80 To 100 Ton Jacking Equipment Charge By The Day	84.62	
34 05 43 00-0141 DAY >100 To 120 Ton Jacking Equipment Charge By The Day	101.54	
34 05 43 00-0142 DAY >120 To 140 Ton Jacking Equipment Charge By The Day	118.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0143 DAY >140 To 160 Ton Jacking Equipment Charge By The Day	135.39	
34 05 43 00-0144 DAY >160 To 250 Ton Jacking Equipment Charge By The Day	154.44	
34 05 43 00-0145 Temporary Shoring <small>(34 05 43 00-0120)</small> Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.		
34 05 43 00-0146 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0147 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	1,901.87	
34 05 43 00-0148 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	1,388.39	
34 05 43 00-0149 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	342.32	
34 05 43 00-0150 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0151 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	1,942.56	
34 05 43 00-0152 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	1,311.56	
34 05 43 00-0153 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	328.38	
34 05 43 00-0154 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0155 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	1,261.62	
34 05 43 00-0156 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	622.34	
34 05 43 00-0157 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	209.05	
34 05 43 00-0158 HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0159 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	3,452.92	
34 05 43 00-0160 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,119.33	
34 05 43 00-0161 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	562.69	
34 05 43 00-0162 2 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0163 EA 2 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup	4,561.45	
34 05 43 00-0164 EA 2 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation	1,835.17	
34 05 43 00-0165 EA 2 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal	986.02	
34 05 43 00-0166 3 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0167 EA 3 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup	4,889.26	
34 05 43 00-0168 EA 3 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation	1,930.12	
34 05 43 00-0169 EA 3 - 7' x 7' x 12" Mats Supporting HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal	1,049.61	
34 05 43 00-0170 2 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring <small>(34 05 43 00-0145)</small>		
34 05 43 00-0171 EA 2 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	1,926.68	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0172 EA 2 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	628.37	
34 05 43 00-0173 EA 2 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	366.71	
34 05 43 00-0174 3 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0175 EA 3 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,111.98	
34 05 43 00-0176 EA 3 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	683.25	
34 05 43 00-0177 EA 3 - 9' x 3' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	402.42	
34 05 43 00-0178 2 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0179 EA 2 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,435.89	
34 05 43 00-0180 EA 2 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	793.00	
34 05 43 00-0181 EA 2 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	476.46	
34 05 43 00-0182 3 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0183 EA 3 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,836.58	
34 05 43 00-0184 EA 3 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	910.59	
34 05 43 00-0185 EA 3 - 12' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	553.98	
34 05 43 00-0186 2 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0187 EA 2 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,488.81	
34 05 43 00-0188 EA 2 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	809.55	
34 05 43 00-0189 EA 2 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	486.91	
34 05 43 00-0190 3 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0191 EA 3 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,917.27	
34 05 43 00-0192 EA 3 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	934.98	
34 05 43 00-0193 EA 3 - 13' x 5' x 12" Mats Supporting HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	570.53	
34 05 43 00-0194 MC18x51.9 Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0195 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Setup	1,906.21	
34 05 43 00-0196 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation	1,754.29	
34 05 43 00-0197 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal	287.45	
34 05 43 00-0198 WT15x74 Attached To Abutment Face, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0199 EA WT15x74 Attached To Abutment Face, Temporary Shoring Setup	1,376.89	
34 05 43 00-0200 EA WT15x74 Attached To Abutment Face, Temporary Shoring Relocation	1,248.76	
34 05 43 00-0201 EA WT15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal	236.92	
34 05 43 00-0202 Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring (34 05 43 00-0145)		
34 05 43 00-0203 EA Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Setup	985.57	
Note: Left in place.		
34 05 43 00-0204 Temporary Bridge Shoring Components (34 05 43 00-0145)		
Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0021 for temporary lumber.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0205 Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring ^(34 05 43 00-0204)		
<i>Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.</i>		
34 05 43 00-0206 LF Fabricate And Install MC7 x 19.1 For Temorary Bridge Shoring.....	58.15	
<i>Note: Remove after use.</i>		
34 05 43 00-0207 LF Fabricate And Install MC18 x 51.9 For Temorary Bridge Shoring.....	146.06	
<i>Note: Remove after use.</i>		
34 05 43 00-0208 LF Fabricate And Install HP12 x 53 For Temorary Bridge Shoring	110.29	
<i>Note: Remove after use.</i>		
34 05 43 00-0209 LF Fabricate And Install HP12 x 63 For Temorary Bridge Shoring	122.25	
<i>Note: Remove after use.</i>		
34 05 43 00-0210 LF Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring	17.13	
<i>Note: Remove after use.</i>		
<i>For Galvanized Steel, Add</i>		3.17
34 05 43 00-0211 LF Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring	21.55	
<i>Note: Remove after use.</i>		
<i>For Galvanized Steel, Add</i>		4.32
34 05 43 00-0212 LF Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring	42.67	
<i>Note: Remove after use.</i>		
<i>For Galvanized Steel, Add</i>		9.78
34 05 43 00-0213 LF Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring	36.75	
<i>Note: Remove after use.</i>		
<i>For Galvanized Steel, Add</i>		8.75
34 05 43 00-0214 LF Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring	48.64	
<i>Note: Remove after use.</i>		
<i>For Galvanized Steel, Add</i>		11.59
34 05 43 00-0215 SF Fabricate And Install 5/8" A36 Steel Plates For Temorary Bridge Shoring	61.24	
<i>Note: Remove after use.</i>		
<i>For A50 Grade Steel, Add</i>		1.42
34 05 43 00-0216 SF Fabricate And Install 7/8" A36 Steel Plates For Temorary Bridge Shoring	85.73	
<i>Note: Remove after use.</i>		
<i>For A50 Grade Steel, Add</i>		1.98
34 05 43 00-0217 SF Fabricate And Install 1-3/8" A36 Steel Plates For Temorary Bridge Shoring	134.71	
<i>Note: Remove after use.</i>		
<i>For A50 Grade Steel, Add</i>		3.12
34 05 43 00-0218 SF Fabricate And Install 1-1/2" A36 Steel Plates For Temorary Bridge Shoring	146.96	
<i>Note: Remove after use.</i>		
<i>For A50 Grade Steel, Add</i>		3.40
34 05 43 00-0219 Relocate Temporary Steel Bridge Shoring ^(34 05 43 00-0204)		
<i>Note: Includes removal after use.</i>		
34 05 43 00-0220 EA Relocate Complete Temporary Steel Bridge Shoring	3,471.98	
<i>Note: Remove after use. Includes relocating support mats. Excludes anchors, bolts or additional steel if required.</i>		
34 05 43 00-0221 SF Relocate 1-3/8" A36 Steel Plates For Temorary Bridge Shoring.....	72.38	
<i>Note: Remove after use.</i>		
34 05 43 00-0222 LF Relocate HP12 x 63 For Temorary Bridge Shoring.....	55.55	
<i>Note: Remove after use.</i>		
34 05 43 00-0223 LF Relocate 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring.....	12.01	
<i>Note: Remove after use.</i>		
34 05 43 00-0224 LF Relocate 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring.....	14.58	
<i>Note: Remove after use.</i>		
34 05 43 00-0225 LF Relocate 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring.....	29.95	
<i>Note: Remove after use.</i>		
34 05 43 00-0226 SF Relocate 7/8" A36 Steel Plates For Temorary Bridge Shoring.....	46.06	
<i>Note: Remove after use.</i>		
34 05 43 00-0227 LF Relocate MC7 x 19.1 For Temorary Bridge Shoring	32.21	
<i>Note: Remove after use.</i>		
34 05 43 00-0228 LF Relocate HP12 x 53 For Temorary Bridge Shoring.....	54.39	
<i>Note: Remove after use.</i>		
34 05 43 00-0229 SF Relocate 5/8" A36 Steel Plates For Temorary Bridge Shoring.....	32.91	
<i>Note: Remove after use.</i>		
34 05 43 00-0230 LF Relocate 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring.....	26.90	
<i>Note: Remove after use.</i>		
34 05 43 00-0231 SF Relocate 1-1/2" A36 Steel Plates For Temorary Bridge Shoring.....	78.96	
<i>Note: Remove after use.</i>		
34 05 43 00-0232 LF Relocate MC18 x 51.9 For Temorary Bridge Shoring.....	92.97	
<i>Note: Remove after use.</i>		
34 05 43 00-0233 LF Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring.....	22.63	
<i>Note: Remove after use.</i>		
34 05 43 00-0234 Pier Caps And Pedestal Replacement For Bridges ^(34 05 43)		
<i>See CSI section 03 15 19 00-0001 for anchor bolts.</i>		
34 05 43 00-0235 SF Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas	19.15	
34 05 43 00-0236 CWT Rebar For Pier Cap Or Pedestals	338.23	
34 05 43 00-0237 CY Pour Pedestals.....	325.23	
34 05 43 00-0238 CY Demolish Concrete Pedestals.....	3,111.99	
34 05 43 00-0239 CY Pour Pier Cap	384.86	
34 05 43 00-0240 CY Demolish Concrete Pier Cap	3,578.45	
34 05 43 00-0241 Bridge Deck Repair ^(34 05 43)		

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0242 Bridge Expansion Joint Repair <small>(34 05 43 00-0241)</small>		
Note: Replace header with semi-flexible polymer nosing system. Includes sawcutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0243 CF Replace Header With Semi-Flexible Polymer Nosing System	546.31	
34 05 43 00-0244 CF Replace Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar.....	154.13	
Note: Includes sawcutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.		
For Up To 24, Add	26.99	
34 05 43 00-0245 CF Replace Header With Polyester-Based Polymer Patch.....	172.26	
Note: Includes sawcutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.		
For Up To 24, Add	28.80	
34 05 43 00-0246 CI Seal Expansion Joints With Rapid Cure Silicone	4.56	
34 05 43 00-0247 CI Seal Expansion Joints With Closed Cell Foam/EVA	0.55	
34 05 43 00-0248 LF Seal Expansion Joints With "V" Shape Preformed Silicone	60.49	
34 05 43 00-0249 LF Seal Expansion Joints With "W" Shape Preformed Silicone	64.04	
34 05 43 00-0250 Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck <small>(34 05 43 00-0241)</small>		
Note: Includes steel profile and neoprene seal element. Demolition includes sawcutting and disposal of existing strip seal but excludes concrete removal.		
34 05 43 00-0251 LF 1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	126.21	
34 05 43 00-0252 LF 1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	142.99	
34 05 43 00-0253 LF 1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	121.76	
34 05 43 00-0254 LF 1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	120.20	
34 05 43 00-0255 Silicone Joint Sealant For Concrete Bridge Deck <small>(34 05 43 00-0241)</small>		
Note: Installation includes sawcutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.		
34 05 43 00-0256 LF 1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	16.84	
34 05 43 00-0257 LF 1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	19.94	
34 05 43 00-0258 LF 2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	23.44	
34 05 43 00-0259 LF 2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	25.42	
34 05 43 00-0260 V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck <small>(34 05 43 00-0241)</small>		
Note: Includes sawcutting, sandblasting, conditioner, epoxy, and backer rod.		
34 05 43 00-0261 LF 3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	57.33	
34 05 43 00-0262 LF 4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	60.46	
34 05 43 00-0263 J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck <small>(34 05 43 00-0241)</small>		
Note: Includes sawcutting, sandblasting, conditioner, and epoxy.		
34 05 43 00-0264 LF 2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	57.06	
34 05 43 00-0265 LF 2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	66.45	
34 05 43 00-0266 LF 3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	80.22	
34 05 43 00-0267 LF 3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	95.51	
34 05 43 00-0268 LF 4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	105.84	
34 05 43 00-0269 LF 5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	186.09	
34 05 43 00-0270 Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck <small>(34 05 43 00-0241)</small>		
Note: Includes sawcutting, sandblasting, and lubricant adhesive.		
34 05 43 00-0271 LF 1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	33.93	
34 05 43 00-0272 LF 1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	36.53	
34 05 43 00-0273 LF 1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	38.02	
34 05 43 00-0274 LF 2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	39.78	
34 05 43 00-0275 LF 2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	44.02	
34 05 43 00-0276 LF 3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	49.40	
34 05 43 00-0277 LF 3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	56.68	
34 05 43 00-0278 LF 4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	64.08	
34 05 43 00-0279 LF 4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	67.52	
34 05 43 00-0280 LF 5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	75.97	
34 05 43 00-0281 LF 6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	103.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 05 43 00-0282			Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck <small>(34 05 43 00-0241)</small>		
<small>Note: Includes sawcutting, sandblasting and epoxy.</small>					
34 05 43 00-0283	LF		1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	31.80	
34 05 43 00-0284	LF		5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	32.72	
34 05 43 00-0285	LF		3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	33.63	
34 05 43 00-0286	LF		1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	34.82	
34 05 43 00-0287	LF		1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	36.05	
34 05 43 00-0288	LF		1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	50.69	
34 05 43 00-0289	LF		1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	54.03	
34 05 43 00-0290	LF		2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	56.11	
34 05 43 00-0291	LF		2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	59.36	
34 05 43 00-0292	LF		2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	63.06	
34 05 43 00-0293	LF		2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	66.93	
34 05 43 00-0294	LF		3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	68.93	
34 05 43 00-0295	LF		3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	75.52	
34 05 43 00-0296	LF		3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	80.98	
34 05 43 00-0297	LF		3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	85.65	
34 05 43 00-0298	LF		4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	87.74	
34 05 43 00-0299	EA		3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	112.26	
34 05 43 00-0300	EA		1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	115.81	
34 05 43 00-0301	EA		1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	133.64	
34 05 43 00-0302	EA		1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	139.39	
34 05 43 00-0303	EA		1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	144.15	
34 05 43 00-0304	EA		2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	164.72	
34 05 43 00-0305	EA		2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	169.16	
34 05 43 00-0306	EA		2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	174.36	
34 05 43 00-0307	EA		2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	179.85	
34 05 43 00-0308	EA		3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	206.34	
34 05 43 00-0309	EA		3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	216.50	
34 05 43 00-0310	EA		3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	224.72	
34 05 43 00-0311	EA		3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	231.64	
34 05 43 00-0312	EA		4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	234.70	

34 05 43 00-0313			Remove Existing Steel Joint System <small>(34 05 43 00-0241)</small>		
34 05 43 00-0314	LF		Remove Existing Steel Joint System	64.66	

34 05 43 00-0315			Break-Up And Remove Bridge Decking By Machine <small>(34 05 43 00-0241)</small>		
<small>Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.</small>					
34 05 43 00-0316	SY		Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine.....	13.46	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000 To 2,500, Deduct</i>	-2.42	
			<i>For >2,500 To 5,000, Deduct</i>	-3.50	
			<i>For >5,000 To 10,000, Deduct</i>	-4.58	
			<i>For >10,000, Deduct</i>	-5.65	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0317 SY Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine	18.38	
For >500 To 1,000, Deduct	-1.84	
For >1,000 To 2,500, Deduct	-3.31	
For >2,500 To 5,000, Deduct	-4.78	
For >5,000 To 10,000, Deduct	-6.25	
For >10,000, Deduct	-7.72	
34 05 43 00-0318 SY Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine.....	22.29	
For >500 To 1,000, Deduct	-2.23	
For >1,000 To 2,500, Deduct	-4.01	
For >2,500 To 5,000, Deduct	-5.80	
For >5,000 To 10,000, Deduct	-7.58	
For >10,000, Deduct	-9.36	
34 05 43 00-0319 SY Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	28.67	
For >500 To 1,000, Deduct	-2.87	
For >1,000 To 2,500, Deduct	-5.16	
For >2,500 To 5,000, Deduct	-7.45	
For >5,000 To 10,000, Deduct	-9.75	
For >10,000, Deduct	-12.04	
34 05 43 00-0320 SY Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	51.25	
For >500 To 1,000, Deduct	-5.13	
For >1,000 To 2,500, Deduct	-9.23	
For >2,500 To 5,000, Deduct	-13.33	
For >5,000 To 10,000, Deduct	-17.43	
For >10,000, Deduct	-21.53	
34 05 43 00-0321 SY Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	66.87	
For >500 To 1,000, Deduct	-6.69	
For >1,000 To 2,500, Deduct	-12.04	
For >2,500 To 5,000, Deduct	-17.39	
For >5,000 To 10,000, Deduct	-22.74	
For >10,000, Deduct	-28.09	
34 05 43 00-0322 SY Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	87.44	
For >500 To 1,000, Deduct	-8.74	
For >1,000 To 2,500, Deduct	-15.74	
For >2,500 To 5,000, Deduct	-22.73	
For >5,000 To 10,000, Deduct	-29.73	
For >10,000, Deduct	-36.72	
34 05 43 00-0323 SY Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	106.11	
For >500 To 1,000, Deduct	-10.61	
For >1,000 To 2,500, Deduct	-19.10	
For >2,500 To 5,000, Deduct	-27.59	
For >5,000 To 10,000, Deduct	-36.08	
For >10,000, Deduct	-44.57	
34 05 43 00-0324 Break-Up And Remove Bridge Decking By Hand <small>(34 05 43 00-0241)</small>		
Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.		
34 05 43 00-0325 SF Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand	9.82	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0326 SF Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand	12.92	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0327 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand	16.79	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0328 SF Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand.....	12.27	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0329 SF Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand.....	15.34	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0330 SF Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand.....	18.41	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0331 SF Chipping And Cleaning Of Bridge Deck After Break-up And Removals.....	4.27	
34 05 43 00-0332 Hydro Blasting Of Bridge Decks <small>(34 05 43 00-0241)</small>		
Note: Excludes hauling and disposal of water and debris.		
34 05 43 00-0333 EA Mobilization Of Hydro Blasting Equipment.....	9,885.99	
Note: Includes trailer with power, hydro milling machine, vacuum machine.		
34 05 43 00-0334 EA Mobilization Of Hydro Blasting Equipment.....	1,283.90	
Note: Includes water tank, pump and miscellaneous fittings.		
34 05 43 00-0335 SF Hydroblasting Of Up To 2-1/2" Of Bridge Decks	8.92	
34 05 43 00-0336 SF Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting.....	6.59	
34 05 43 00-0337 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum Up To 2-1/2"	1.63	
34 05 43 00-0338 SF Hydroblasting 3" To 4-1/2" Of Bridge Decks	13.18	
34 05 43 00-0339 SF Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydroblasting.....	8.92	
34 05 43 00-0340 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum 3" To 4-1/2".....	4.27	
34 05 43 00-0341 GAL Water For Hydro Blasting.....	0.11	
Note: Includes delivery.		
34 05 43 00-0342 Galvanic Anodes <small>(34 05 43)</small>		
34 05 43 00-0343 EA 2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP)	30.58	
Note: Corrosion prevention only (preventing the initiation of corrosion).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0344 EA 4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT).....	30.58	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0345 EA 2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2).....	34.75	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0346 EA 4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4).....	37.91	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0347 EA 2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+).....	34.75	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0348 EA 1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65).....	35.80	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0349 EA 1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100).....	43.19	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0350 EA 1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135).....	40.02	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0351 Bridge Netting Panels (34 05 43)		
34 05 43 00-0352 SF Bridge Netting Panel.....	5.18	
Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.		
<i>For Up To 160, Add</i>	<i>6.64</i>	
<i>For >160 To 320, Add</i>	<i>3.32</i>	
<i>For >320 To 480, Add</i>	<i>1.66</i>	
<i>For >2,000 To 10,000, Deduct</i>	<i>-0.22</i>	
<i>For >10,000 To 25,000, Deduct</i>	<i>-0.44</i>	
<i>For >25,000, Deduct</i>	<i>-0.65</i>	
34 05 43 00-0353 Anchors (34 05 43)		
Note: Excludes core drilling. See CSI section 02 41 19 13-0069 for core drilling.		
34 05 43 00-0354 Threaded Rod, A449 (34 05 43 00-0353)		
34 05 43 00-0355 LF 7/8" Diameter Continuous Threaded Rod, A449.....	11.46	
34 05 43 00-0356 LF 1" Diameter Continuous Threaded Rod, A449.....	13.57	
34 05 43 00-0357 LF 1-1/8" Diameter Continuous Threaded Rod, A449.....	15.66	
34 05 43 00-0358 LF 1-1/4" Diameter Continuous Threaded Rod, A449.....	19.63	
34 05 43 00-0359 Flat Washers, F436 (34 05 43 00-0353)		
34 05 43 00-0360 EA 7/8" Flat Washer, F436.....	1.45	
34 05 43 00-0361 EA 1" Flat Washer, F436.....	1.68	
34 05 43 00-0362 EA 1-1/8" Flat Washer, F436.....	1.85	
34 05 43 00-0363 EA 1-1/4" Flat Washer, F436.....	2.10	
34 05 43 00-0364 Heavy Hex Nut, A194 (34 05 43 00-0353)		
34 05 43 00-0365 EA 7/8" Hex Nut, A194.....	2.76	
34 05 43 00-0366 EA 1" Hex Nut, A194.....	3.64	
34 05 43 00-0367 EA 1-1/8" Hex Nut, A194.....	4.28	
34 05 43 00-0368 EA 1-1/4" Hex Nut, A194.....	5.07	
34 05 43 00-0369 Grout For Threaded Rod (34 05 43 00-0353)		
34 05 43 00-0370 IN Grout 7/8" Rod In Hole.....	2.35	
34 05 43 00-0371 IN Grout 1" Rod In Hole.....	2.69	
34 05 43 00-0372 IN Grout 1-1/8" Rod In Hole.....	3.13	
34 05 43 00-0373 IN Grout 1-1/4" Rod In Hole.....	3.75	
34 05 43 00-0374 Test Grouted Anchor (34 05 43 00-0353)		
34 05 43 00-0375 EA Test Grouted Anchor.....	17.78	
34 05 43 00-0376 Removal Of Fasteners Or Anchors In Concrete (34 05 43 00-0353)		
Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0377 EA Drill Out 3/8" Diameter Fastener/Anchor In Concrete.....	19.93	
34 05 43 00-0378 EA Drill Out 1/2" Diameter Fastener/Anchor In Concrete.....	21.42	
34 05 43 00-0379 EA Drill Out 9/16" Diameter Fastener/Anchor In Concrete.....	22.30	
34 05 43 00-0380 EA Drill Out 5/8" Diameter Fastener/Anchor In Concrete.....	24.02	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0381 EA Drill Out 3/4" Diameter Fastener/Anchor In Concrete	26.30	
34 05 43 00-0382 EA Drill Out 7/8" Diameter Fastener/Anchor In Concrete	28.95	
34 05 43 00-0383 EA Drill Out 1" Diameter Fastener/Anchor In Concrete	30.56	
34 05 43 00-0384 EA Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete	32.42	
34 05 43 00-0385 EA Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete	34.69	
34 05 43 00-0386 EA Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete	39.02	
34 05 43 00-0387 Bridge Surfacing (34 05 43)		
34 05 43 00-0388 Bridge Coatings (34 05 43 00-0387)		
Note: Includes sweeping of bridge deck.		
34 05 43 00-0389 SF Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats)	0.68	
Note: Includes power washing and drying after power washing.		
34 05 43 00-0390 SF Protective Seal Coat For Existing Bridge Decks	1.42	
34 05 43 00-0391 SF Penetrating Sealer For Existing Bridge Decks	2.23	
34 05 43 00-0392 Bridge Membranes (34 05 43 00-0387)		
Note: Excludes abrasive blasting of deck.		
34 05 43 00-0393 SF Spray Applied Waterproofing Membrane For Bridge Decks.....	9.32	
34 05 43 00-0394 SF Sheet Applied Waterproofing Membrane For Bridge Decks.....	2.61	
34 05 43 00-0395 Sealer And Overlay For Bridge Deck (34 05 43 00-0387)		
Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0396 SF Shot Blasting Bridge Decks.....	1.10	
Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0397 SF Thin Polymer (Epoxy) Overlay For Bridge Deck	3.74	
Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0398 SF 3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	11.24	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0399 SF 1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	12.91	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0400 SF 1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	16.10	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0401 SF 2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck.....	19.30	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0402 SF 2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck.....	22.49	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0403 SF 3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck.....	25.68	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0404 Broadcast Silica Sand (34 05 43 00-0387)		
Note: Includes removing loose sand..		
34 05 43 00-0405 SF Broadcast Silica Sand.....	0.19	
34 05 43 00-0406 Sweeping And Cleaning Of Bridge Deck (34 05 43 00-0387)		
See CSI section 01 22 23 00-1043 for water trucks, 01 22 23 00-1061 for vacuum sweeper trucks.		
34 05 43 00-0407 Concrete Overlay For Bridge Deck (34 05 43 00-0387)		
Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0408 SY 3" Concrete Overlay For Bridge Deck	125.46	
For DOT Class DP, Add	22.01	
For DOT Class E, Add	7.18	
For DOT Class HP, Add	21.01	
34 05 43 00-0409 Bridge Roadway Grooving (34 05 43 00-0387)		
34 05 43 00-0410 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	2,719.17	
34 05 43 00-0411 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	2.52	
34 05 43 00-0412 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	3,029.25	
34 05 43 00-0413 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	3.28	
34 05 43 00-0414 Gravity Fed Concrete Crack Repair (34 05 43 00-0387)		
Note: Includes removing loose materials and cleaning.		
34 05 43 00-0415 LF Epoxy Low Viscosity Gravity Fed Concrete Crack Repair.....	2.13	
34 05 43 00-0416 LF HMWM Low Viscosity Gravity Fed Concrete Crack Repair.....	2.52	
34 05 43 00-0417 Bridge Girder Repair (34 05 43)		
34 05 43 00-0418 Bridge Girder Repair (34 05 43 00-0417)		
Note: Does not include mobilization of bridge jacking crew. See CSI section 05 05 23 00-0040 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0419 HR UT, MT, PT Testing.....	75.00	
Note: Does not include mileage to job site.		
34 05 43 00-0420 EA Mobilization of Bridge Girder Repair Crew	1,910.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0421 LF 3" x 3" x 1/4" Angle Iron For Bridge Repair	9.59	4.57
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	11.17	
<i>For Aluminum, Add</i>	0.63	
<i>For Galvanized Steel, Add</i>	2.16	
34 05 43 00-0422 LF 4" x 4" x 1/4" Angle Iron For Bridge Repair	12.15	5.58
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	15.07	
<i>For Aluminum, Add</i>	0.85	
<i>For Galvanized Steel, Add</i>	2.92	
34 05 43 00-0423 LF 3" x 3" x 3/8" Angle Iron For Bridge Repair	11.98	5.14
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	16.38	
<i>For Aluminum, Add</i>	0.92	
<i>For Galvanized Steel, Add</i>	3.17	
34 05 43 00-0424 LF 4" x 4" x 3/8" Angle Iron For Bridge Repair	15.30	6.25
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	22.30	
<i>For Aluminum, Add</i>	1.25	
<i>For Galvanized Steel, Add</i>	4.32	
34 05 43 00-0425 LF 6" x 4" x 3/8" Angle Iron For Bridge Repair	19.66	8.16
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	28.10	
<i>For Aluminum, Add</i>	1.58	
<i>For Galvanized Steel, Add</i>	5.44	
34 05 43 00-0426 LF 6" x 6" x 3/8" Angle Iron For Bridge Repair	21.51	8.16
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	34.02	
<i>For Aluminum, Add</i>	1.91	
<i>For Galvanized Steel, Add</i>	6.59	
34 05 43 00-0427 LF 6" x 6" x 1/2" Angle Iron For Bridge Repair	28.59	10.96
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	44.74	
<i>For Aluminum, Add</i>	2.52	
<i>For Galvanized Steel, Add</i>	8.67	
34 05 43 00-0428 LF 7" x 4" x 5/8" Angle Iron For Bridge Repair	31.17	11.55
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	50.46	
<i>For Aluminum, Add</i>	2.84	
<i>For Galvanized Steel, Add</i>	9.78	
34 05 43 00-0429 LF 5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair	27.05	9.70
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	45.18	
<i>For Aluminum, Add</i>	2.54	
<i>For Galvanized Steel, Add</i>	8.75	
34 05 43 00-0430 LF 6" x 4" x 3/4" Angle Iron For Bridge Repair	32.26	11.56
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	53.89	
<i>For Aluminum, Add</i>	3.03	
<i>For Galvanized Steel, Add</i>	10.44	
34 05 43 00-0431 LF 7" x 4" x 3/4" Angle Iron For Bridge Repair	35.81	12.84
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	59.81	
<i>For Aluminum, Add</i>	3.36	
<i>For Galvanized Steel, Add</i>	11.59	
34 05 43 00-0432 LF 8" x 6" x 7/8" Angle Iron For Bridge Repair	51.74	17.88
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	89.28	
<i>For Aluminum, Add</i>	5.02	
<i>For Galvanized Steel, Add</i>	17.30	
34 05 43 00-0433 LF C4 x 5.4 - 4" Wide Channels For Bridge Repair	11.69	5.88
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	12.32	
<i>For Aluminum, Add</i>	0.69	
<i>For Galvanized Steel, Add</i>	2.39	
34 05 43 00-0434 LF C6 x 8.2 - 6" Wide Channels For Bridge Repair	16.82	8.23
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	18.72	
<i>For Aluminum, Add</i>	1.05	
<i>For Galvanized Steel, Add</i>	3.63	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0435 LF C8 x 11.5 - 8" Wide Channels For Bridge Repair.....	22.57	10.78
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	26.24	
<i>For Aluminum, Add</i>	1.48	
<i>For Galvanized Steel, Add</i>	5.08	
34 05 43 00-0436 LF C10 x 15.3 - 10" Wide Channels For Bridge Repair.....	30.03	14.34
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	34.91	
<i>For Aluminum, Add</i>	1.96	
<i>For Galvanized Steel, Add</i>	6.76	
34 05 43 00-0437 LF C12 x 20.7 - 12" Wide Channels For Bridge Repair.....	40.64	19.40
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	47.26	
<i>For Aluminum, Add</i>	2.66	
<i>For Galvanized Steel, Add</i>	9.16	
34 05 43 00-0438 LF C15 x 33.9 - 15" Wide Channels For Bridge Repair.....	66.55	31.77
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	77.38	
<i>For Aluminum, Add</i>	4.35	
<i>For Galvanized Steel, Add</i>	14.99	
34 05 43 00-0439 SF 1/2" A36 Steel Plates For Bridge Repair	35.83	12.50
<i>For A50 Grade Steel, Add</i>	1.13	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0440 SF 5/8" A36 Steel Plates For Bridge Repair	44.79	15.63
<i>For A50 Grade Steel, Add</i>	1.42	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0441 SF 3/4" A36 Steel Plates For Bridge Repair	53.75	18.67
<i>For A50 Grade Steel, Add</i>	1.70	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0442 SF 7/8" A36 Steel Plates For Bridge Repair	62.71	21.88
<i>For A50 Grade Steel, Add</i>	1.98	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0443 SF 1" A36 Steel Plates For Bridge Repair	71.66	25.01
<i>For A50 Grade Steel, Add</i>	2.27	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0444 SF 1-1/4" A36 Steel Plates For Bridge Repair	89.57	31.26
<i>For A50 Grade Steel, Add</i>	2.83	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0445 SF 1-3/8" A36 Steel Plates For Bridge Repair	98.52	34.39
<i>For A50 Grade Steel, Add</i>	3.12	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0446 SF 1-1/2" A36 Steel Plates For Bridge Repair	107.48	37.51
<i>For A50 Grade Steel, Add</i>	3.40	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0447 CWT Removal Of Existing Steel For Bridge Repair A36.....	49.69	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	9.94	
<i>For Removal Over 50' To 75', Add</i>	17.39	
<i>For Removal Over 75', Add</i>	24.85	
34 05 43 00-0448 TON Removal Of Existing Steel For Bridge Repair A36.....	662.69	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	132.54	
<i>For Removal Over 50' To 75', Add</i>	231.94	
<i>For Removal Over 75', Add</i>	331.35	
34 05 43 00-0449 CWT Miscellaneous Steel For Bridge Repair A36.....	253.60	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For A50 Grade Steel, Add</i>	40.78	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
34 05 43 00-0450 TON Miscellaneous Steel For Bridge Repair A36.....	4,009.72	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For A50 Grade Steel, Add</i>	669.41	
<i>Cutting Fee For I-beams, Floor Beams And Plates Over 5'x5', Add Per Each Piece</i>	30.00	
34 05 43 00-0451 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter	29.10	
Note: Per each hole drilled per steel member.		
34 05 43 00-0452 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter	37.74	
Note: Per each hole drilled per steel member.		
34 05 43 00-0453 EA Bolts A325 For Steel Repair Connections Up To 7/8"	21.11	1.74
34 05 43 00-0454 EA Bridge Girder Rivet Removal	270.05	
34 05 43 00-0455 LF Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting	5.29	
Note: Includes rust or scale removal.		
34 05 43 00-0456 LF >1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting	9.64	
Note: Includes rust or scale removal.		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0457	LF	>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	13.99	
34 05 43 00-0458	LF	>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	18.35	
34 05 43 00-0459	LF	>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	22.71	
34 05 43 00-0460	LF	>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	27.06	
34 05 43 00-0461 Galvanized Anchor Bolts For Bridge Bearings (34 05 43 00-0417)				
34 05 43 00-0462	EA	1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	6.39	
34 05 43 00-0463	EA	1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings.....	9.47	
34 05 43 00-0464	EA	1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	11.26	
34 05 43 00-0465	EA	5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	12.70	
34 05 43 00-0466	EA	5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	15.36	
34 05 43 00-0467	EA	5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	17.25	
34 05 43 00-0468	EA	3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	17.18	
34 05 43 00-0469	EA	3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	19.60	
34 05 43 00-0470	EA	3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	23.75	
34 05 43 00-0471	EA	3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	28.56	
34 05 43 00-0472	EA	7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	22.58	
34 05 43 00-0473	EA	7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	26.51	
34 05 43 00-0474	EA	7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	33.45	
34 05 43 00-0475	EA	1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	27.73	
34 05 43 00-0476	EA	1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	32.94	
34 05 43 00-0477	EA	1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	40.60	
34 05 43 00-0478	EA	1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	50.05	
34 05 43 00-0479	EA	1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	32.93	
34 05 43 00-0480	EA	1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	39.19	
34 05 43 00-0481	EA	1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	48.36	
34 05 43 00-0482	EA	1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	59.57	
34 05 43 00-0483	EA	1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	39.41	
34 05 43 00-0484	EA	1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	46.95	
34 05 43 00-0485	EA	1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	58.00	
34 05 43 00-0486	EA	1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	71.37	
34 05 43 00-0487	EA	1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	47.51	
34 05 43 00-0488	EA	1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	56.62	
34 05 43 00-0489	EA	1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	70.04	
34 05 43 00-0490	EA	1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	86.14	
34 05 43 00-0491 Welding For Bridge Repair (34 05 43 00-0417)				
34 05 43 00-0492	EA	Minimum Charge For Welding For Bridge Repair Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	1,008.98	
34 05 43 00-0493	LF	3/16" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	12.09 4.74	
34 05 43 00-0494	LF	1/4" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	18.14 7.10	
34 05 43 00-0495	LF	5/16" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	24.21 9.48	
34 05 43 00-0496	LF	3/8" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	30.25 11.84	
34 05 43 00-0497	LF	7/16" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	36.03 14.21	
34 05 43 00-0498	LF	1/2" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	42.01 16.45	
34 05 43 00-0499	LF	9/16" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	49.25 19.38	
34 05 43 00-0500	LF	5/8" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	54.23 21.32	
34 05 43 00-0501	LF	3/4" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	74.45 29.13	
34 05 43 00-0502	LF	7/8" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	98.35 38.62	
34 05 43 00-0503	LF	1" Fillet Welding For Bridge Repair <i>For Full Penetration Weld, Add</i>	136.26 53.29	
34 05 43 00-0504 Spot Paint Removal And Painting, Bridge Structural Steel (34 05 43)				
34 05 43 00-0505	HR	Testing For Lead And Asbestos Paint Removal By Asbestos Contractor.....	80.00	
34 05 43 00-0506	EA	Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	160.60	
34 05 43 00-0507	SF	>4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	40.15	
34 05 43 00-0508	EA	Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal..... Note: Includes HEPA vacuuming.	204.09	
34 05 43 00-0509	SF	>4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal..... Note: Includes HEPA vacuuming.	51.03	
34 05 43 00-0510	CF	Treat and Dispose of Removed Paint Waste.....	3.93	
34 05 43 00-0511	SF	Flat Surfaces Spot Painting..... Note: Includes 1 coat primer and 2 coats finish.	42.37	

34 Transportation
34 05 Common Work Results For Transportation
34 05 43 Common Work Results For Bridges



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0512	EA		Minimum Charge For Plastic Barrier Enclosure for Paint Removal.....964.58 Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	964.58	
34 05 43 00-0513	SF		Plastic Barrier Enclosure For Paint Removal .....3.02 Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	3.02	
34 05 43 00-0514			End Beam Cleaning And Painting (34 05 43)		
34 05 43 00-0515	SF		End Beam Cleaning and Painting .....2.49 Note: Includes high pressure wash at minimum 3003 to 5000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC - SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.	2.49	
			<i>For Up To 100, Add</i>	1.64	
			<i>For >100 To 500, Add</i>	0.82	
			<i>For >500 To 3,000, Add</i>	-0.44	
			<i>For >5,000 To 7,500, Deduct</i>	-0.69	
			<i>For >7,500 To 10,000, Deduct</i>	-1.01	
			<i>For >10,000, Deduct</i>		
34 05 43 00-0516			Snow And Pedestrian Fences For Bridges (34 05 43)		
34 05 43 00-0517			Snow And Pedestrian Fence Assembly For Bridges (34 05 43 00-0516) Note: Includes 1" 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' O.C. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0518			Galvanized Snow And Pedestrian Fence Assembly For Bridges (34 05 43 00-0517)		
34 05 43 00-0519	LF		4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....28.79 <i>For Posts 8' On Centers, Add</i> 1.64 <i>For Posts 5' On Centers, Add</i> 6.28 <i>For Up To 100, Add</i> 6.00 <i>For >100 To 250, Add</i> 2.28	28.79	8.33
34 05 43 00-0520	LF		>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....31.34 <i>For Posts 8' On Centers, Add</i> 1.78 <i>For Posts 5' On Centers, Add</i> 6.79 <i>For Up To 100, Add</i> 6.47 <i>For >100 To 250, Add</i> 2.45	31.34	8.75
34 05 43 00-0521	LF		>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....33.92 <i>For Posts 8' On Centers, Add</i> 1.92 <i>For Posts 5' On Centers, Add</i> 7.31 <i>For Up To 100, Add</i> 6.94 <i>For >100 To 250, Add</i> 2.62	33.92	9.16
34 05 43 00-0522	LF		>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....35.96 <i>For Posts 8' On Centers, Add</i> 2.03 <i>For Posts 5' On Centers, Add</i> 7.73 <i>For Up To 100, Add</i> 7.33 <i>For >100 To 250, Add</i> 2.77	35.96	9.58
34 05 43 00-0523	LF		>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....40.39 <i>For Posts 8' On Centers, Add</i> 2.27 <i>For Posts 5' On Centers, Add</i> 8.64 <i>For Up To 100, Add</i> 8.16 <i>For >100 To 250, Add</i> 3.07	40.39	10.41
34 05 43 00-0524			Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges (34 05 43 00-0517)		
34 05 43 00-0525	LF		4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....30.33 <i>For Powder Coated, Add</i> 2.70 <i>For Aluminum Coated, Add</i> 5.39 <i>For Posts 8' On Centers, Add</i> 1.72 <i>For Posts 5' On Centers, Add</i> 6.55 <i>For Up To 100, Add</i> 6.23 <i>For >100 To 250, Add</i> 2.36	30.33	8.33
34 05 43 00-0526	LF		>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....33.28 <i>For Powder Coated, Add</i> 3.12 <i>For Aluminum Coated, Add</i> 6.24 <i>For Posts 8' On Centers, Add</i> 1.88 <i>For Posts 5' On Centers, Add</i> 7.14 <i>For Up To 100, Add</i> 6.76 <i>For >100 To 250, Add</i> 2.55	33.28	8.75
34 05 43 00-0527	LF		>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....37.86 <i>For Powder Coated, Add</i> 3.86 <i>For Aluminum Coated, Add</i> 7.73 <i>For Posts 8' On Centers, Add</i> 2.12 <i>For Posts 5' On Centers, Add</i> 8.02 <i>For Up To 100, Add</i> 7.53 <i>For >100 To 250, Add</i> 2.82	37.86	9.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0528 LF >6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	40.54	9.58
<i>For Powder Coated, Add</i>	4.23	
<i>For Aluminum Coated, Add</i>	8.46	
<i>For Posts 8' On Centers, Add</i>	2.26	
<i>For Posts 5' On Centers, Add</i>	8.56	
<i>For Up To 100, Add</i>	8.02	
<i>For >100 To 250, Add</i>	3.00	
34 05 43 00-0529 LF >7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.	45.74	10.41
<i>For Powder Coated, Add</i>	4.94	
<i>For Aluminum Coated, Add</i>	9.87	
<i>For Posts 8' On Centers, Add</i>	2.54	
<i>For Posts 5' On Centers, Add</i>	9.60	
<i>For Up To 100, Add</i>	8.97	
<i>For >100 To 250, Add</i>	3.34	
34 05 43 00-0530 Bridge Connection Mounting For Snow And Pedestrian Fence Assembly <small>(34 05 43 00-0517)</small>		
34 05 43 00-0531 EA Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts	43.96	
Note: Includes drilling into steel post.		
34 05 43 00-0532 EA Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint	25.94	
34 05 43 00-0533 EA Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	60.62	
34 05 43 00-0534 EA Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts	67.94	
Note: Includes drilling into steel post.		
34 05 43 00-0535 EA Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts	90.40	
Note: Includes drilling into steel post.		

34 10 Guideways/Railways (34)

34 11 Rail Tracks (34 10)

34 11 93 Track Appurtenances And Accessories (34 11)

34 11 93 00-0001 Railroad Crossings (34 11 93)

34 11 93 00-0002 Asphalt Railroad Crossings (34 11 93 00-0001)

Note: Based on 8" thickness x 20' including track and approach.		
34 11 93 00-0003 EA 8" Asphalt Railroad Crossing, 12' Roadway 6 CY	1,698.91	256.01
34 11 93 00-0004 EA 8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY	2,002.65	290.15
34 11 93 00-0005 EA 8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY	2,366.43	341.35
34 11 93 00-0006 EA 8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY	2,808.23	409.62
34 11 93 00-0007 EA 8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	3,386.54	512.03

34 11 93 00-0008 Railroad Crossings - Precast Concrete Inserts (34 11 93 00-0001)

Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0009 EA Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge	4,061.52	122.65
34 11 93 00-0010 EA Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge	5,076.91	148.93
34 11 93 00-0011 EA Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge	6,087.94	183.98
34 11 93 00-0012 EA Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge	7,100.09	210.26
34 11 93 00-0013 EA Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge	8,111.54	245.31

34 11 93 00-0014 Molded Rubber Railroad Crossings With Headers (34 11 93 00-0001)

Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0015 EA Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers	2,916.87	122.65
34 11 93 00-0016 EA Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers	3,458.43	148.93
34 11 93 00-0017 EA Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers	3,995.65	183.98
34 11 93 00-0018 EA Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers	4,533.97	210.26
34 11 93 00-0019 EA Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers	5,071.61	245.31

34 11 93 00-0020 Railroad Trackage Demolition (34 11 93)

34 11 93 00-0021 CY Remove Railroad Track Ballast	7.20	
34 11 93 00-0022 LF Remove Railroad Track Rail And Spikes	18.01	
34 11 93 00-0023 EA Remove/Dispose Of Concrete Post Footings	102.66	
34 11 93 00-0024 EA Backfill Holes From Post Removal	42.78	

34 40 Transportation Signaling and Control Equipment (34)

34 41 Roadway Signaling and Control Equipment (34 40)

34 41 13 Traffic Signals (34 41)

34 41 13 00-0001 Traffic Signals (34 41 13)

34 41 13 00-0002 EA Single Traffic Signal Head, 4 Way Pattern	4,839.00	571.90
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34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0003			Traffic Detector Induction Loop <small>(34 41 13)</small>		
34 41 13 00-0004	EA		6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop.....	309.49	
			Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0005	EA		6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop.....	386.34	
			Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0006	EA		6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop.....	431.20	
			Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0007	EA		6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop.....	380.15	
			Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0008	EA		6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	659.63	
			Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0009	EA		6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	816.70	
			Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0010	EA		6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop.....	862.66	
			Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0011	EA		6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,083.56	
			Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0012	EA		6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,151.67	
			Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0013	EA		6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop.....	1,255.84	
			Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0014	EA		6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop.....	1,339.06	
			Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0015	LF		In Pavement, Lead Wire For Traffic Signal Detector.....	5.41	
			Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.		
34 41 13 00-0016	LF		In Earthwork, Lead Wire For Traffic Signal Detector.....	2.46	
			Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.		
34 41 13 00-0017	EA		2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	151.82	
34 41 13 00-0018	EA		4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	409.94	
34 41 13 00-0019	EA		2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	258.49	
34 41 13 00-0020			Overhead Traffic Signals <small>(34 41 13)</small>		
34 41 13 00-0021	EA		Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	3,536.94	762.52
34 41 13 00-0022	EA		Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	3,633.81	762.52
34 41 13 00-0023	EA		Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	3,764.86	762.52
34 41 13 00-0024	EA		Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	673.86	171.94
34 41 13 00-0025	EA		Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	730.84	171.94
34 41 13 00-0026	EA		Optical Detector For Mast Arm Mounting, 2 Channel.....	917.74	171.94
34 41 13 00-0027	EA		Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	673.86	171.94
34 41 13 00-0028	EA		Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	730.84	171.94
34 41 13 00-0029	EA		Optical Detector For Pole-Side Mounting, 2 Channel.....	917.74	171.94
34 41 13 00-0030	EA		Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	673.86	171.94
34 41 13 00-0031	EA		Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	730.84	171.94
34 41 13 00-0032	EA		Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	917.74	171.94
34 41 13 00-0033	EA		Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	673.86	171.94
34 41 13 00-0034	EA		Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	730.84	171.94
34 41 13 00-0035	EA		Optical Detector For Span Wire Mounting, 2 Channel.....	917.74	171.94
34 41 13 00-0036	EA		Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	673.86	171.94
34 41 13 00-0037	EA		Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	730.84	171.94
34 41 13 00-0038	EA		Optical Detector For Signal Top Mounting, 2 Channel.....	917.74	171.94
34 41 13 00-0039	EA		Phase Selector, 2 Channel.....	1,951.81	21.50
34 41 13 00-0040	EA		Phase Selector, 4 Channel.....	3,028.73	21.50
34 41 13 00-0041	EA		Malfunction Management Unit For Use With NEMA Controller.....	997.65	42.98
34 41 13 00-0042	EA		Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	997.65	42.98
34 41 13 00-0043	EA		Time Switch, 1-Circuit.....	129.23	25.80
34 41 13 00-0044	EA		Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	201.56	10.74
34 41 13 00-0045	EA		Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	261.96	10.74
34 41 13 00-0046	EA		Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	370.22	10.74
34 41 13 00-0047	EA		Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	463.66	10.74
34 41 13 00-0048	EA		Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet.....	1,249.99	10.74
34 41 13 00-0049	EA		Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	1,249.99	10.74
34 41 13 00-0050	EA		Power Line Surge Protector.....	118.19	6.44
34 41 13 00-0051	EA		Loop Detector Surge Protector.....	61.73	6.44
34 41 13 00-0052	EA		Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	7,855.83	1,072.29
34 41 13 00-0053	EA		Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	8,505.40	1,072.29
34 41 13 00-0054	EA		Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	9,286.03	1,072.29
34 41 13 00-0055	EA		Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	9,525.34	1,072.29
34 41 13 00-0056	EA		Speed Limit Beacon Control Option.....	3,420.90	285.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0057 EA Speed Limit Beacon Control Cabinet.....	3,992.78	571.90
34 41 13 00-0058 EA Remote Detector Cabinet.....	2,226.40	571.90
34 41 13 00-0059 EA Traffic Signal Hand Control.....	589.49	95.32
34 41 13 00-0060 EA Load Switch.....	57.34	6.44
34 41 13 00-0061 EA Extra Pedestrian Detector Isolation Assembly.....	475.53	95.32
34 41 13 00-0062 EA Fiber Optic Transceivers-Repeater Module.....	613.58	171.94
34 41 13 00-0063 EA Field Transceiver-Repeater.....	261.98	42.98
34 41 13 00-0064 EA 30" Pedestal With Base Plate And Cover.....	505.75	86.45
34 41 13 00-0065 EA 42" Pedestal With Base Plate And Cover (Push Button Pedestal).....	588.82	90.38
34 41 13 00-0066 EA 8' Pedestal With Base Plate And Cover.....	732.89	101.39
34 41 13 00-0067 EA 11' Pedestal With Base Plate And Cover.....	814.62	110.03
34 41 13 00-0068 EA 15' Pedestal With Base Plate And Cover.....	908.74	131.26
34 41 13 00-0069 LF 6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	0.97	
34 41 13 00-0070 LF 12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.05	
34 41 13 00-0071 LF 24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.19	
34 41 13 00-0072 LF 36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.34	
34 41 13 00-0073 LF 48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.48	
34 41 13 00-0074 LF 72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.69	
34 41 13 00-0075 LF 96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.90	
34 41 13 00-0076 LF 144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.25	
34 41 13 00-0077 LF 3/16" Diameter Messenger Cable.....	0.73	0.09
34 41 13 00-0078 LF 1/4" Diameter Messenger Cable.....	0.95	0.09
34 41 13 00-0079 LF 3/8" Diameter Messenger Cable.....	1.51	0.09
34 41 13 00-0080 LF 1/2" Diameter Messenger Cable.....	2.21	0.17
34 41 13 00-0081 EA 4' Diameter x 10' Concrete Base For Poles.....	1,902.75	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0082 EA 4' Diameter x 16' Concrete Base For Poles.....	3,031.48	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0083 EA Internally Illuminated Street Name Sign, 1 Line, 4'.....	1,566.44	190.63
34 41 13 00-0084 EA Internally Illuminated Street Name Sign, 1 Line, 6'.....	1,935.27	238.29
34 41 13 00-0085 EA Internally Illuminated Street Name Sign, 1 Line, 8'.....	2,121.76	285.95
34 41 13 00-0086 EA Internally Illuminated Street Name Sign, 1 Line, 10'.....	2,399.39	333.60
34 41 13 00-0087 EA Internally Illuminated Street Name Sign, 1 Line, 12'.....	2,585.88	381.26
34 41 13 00-0088 EA Internally Illuminated Street Name Sign, 2 Line, 4'.....	2,427.98	190.63
34 41 13 00-0089 EA Internally Illuminated Street Name Sign, 2 Line, 6'.....	2,992.82	238.29
34 41 13 00-0090 EA Internally Illuminated Street Name Sign, 2 Line, 8'.....	3,243.12	285.95
34 41 13 00-0091 EA Internally Illuminated Street Name Sign, 2 Line, 10'.....	3,630.16	333.60
34 41 13 00-0092 EA Internally Illuminated Street Name Sign, 2 Line, 12'.....	3,907.82	381.26
34 41 13 00-0093 EA Photoelectric Controller, Multi-Volt.....	61.80	22.35
34 41 13 00-0094 EA Photoelectric Controller, 120 Volt.....	65.46	22.35
34 41 13 00-0095 EA Photoelectric Controller, 480 Volt.....	65.46	22.35
34 41 13 00-0096 EA Wi-Fi Communication Unit.....	816.27	95.32
34 41 13 00-0097 EA Wi-Fi Communication Unit Mounting Bracket.....	199.95	71.49
34 41 13 00-0098 EA Wi-Fi Communication Unit Power Supply / POE Injector.....	173.95	47.65
34 41 13 00-0099 EA Wi-Fi Communication Unit Packet.....	1,190.17	142.97
34 41 13 00-0100 LF Preemptor Detector Cable.....	1.71	
34 41 13 00-0101 EA Sno-Shoe Cable Storage Assembly.....	157.07	
34 41 13 00-0102 EA 16" Pedestal With Base Plate And Cover.....	956.22	131.26
34 41 13 00-0103 EA Vehicle Signal Face, LED, 1 - 12" Section.....	358.15	121.52
34 41 13 00-0104 EA Vehicle Signal Face, LED, 2 - 12" Sections.....	569.91	171.56
34 41 13 00-0105 EA Vehicle Signal Face, LED, 3 - 12" Sections.....	784.06	209.69
34 41 13 00-0106 EA Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	749.87	209.69
34 41 13 00-0107 EA Vehicle Signal Face, LED, 4 - 12" Sections.....	979.86	233.53
34 41 13 00-0108 EA Vehicle Signal Face, LED, 5 - 12" Sections.....	1,156.61	247.82
34 41 13 00-0109 EA Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,222.70	247.82
34 41 13 00-0110 EA Vehicle Signal Face, LED, 1 - 8" Section.....	341.06	121.52
34 41 13 00-0111 EA Vehicle Signal Face, LED, 2 - 8" Sections.....	535.72	171.56
34 41 13 00-0112 EA Vehicle Signal Face, LED, 3 - 8" Sections.....	700.87	209.69
34 41 13 00-0113 EA Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	743.04	209.69
34 41 13 00-0114 EA Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	906.93	233.53
34 41 13 00-0115 EA Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	882.99	233.53
34 41 13 00-0116 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,031.25	247.82
34 41 13 00-0117 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,084.81	247.82
34 41 13 00-0118 EA Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	1,490.61	209.69
34 41 13 00-0119 EA Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	1,929.15	233.53
34 41 13 00-0120 EA Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	2,489.94	247.82
34 41 13 00-0121 EA Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	2,689.37	247.82
34 41 13 00-0122 EA Bracket Signal Mounting Assembly.....	334.22	95.32
34 41 13 00-0123 EA Mast Arm Signal Mounting Assembly.....	602.34	190.63
34 41 13 00-0124 EA Top Pole Signal Mounting Assembly.....	213.63	71.49
34 41 13 00-0125 EA Pedestrian Signal Head.....	593.64	142.97
34 41 13 00-0126 EA Pedestrian Signal Insert.....	358.35	71.49
34 41 13 00-0127 EA Audible Pedestrian Signal.....	905.02	
34 41 13 00-0128 EA Junction Box, Pole Or Post Mounted.....	365.95	
34 41 13 00-0129 EA Pedestrian Push Button.....	334.78	
34 41 13 00-0130 EA Illuminated Sign, Bracket Mounted, Symbolic.....	2,616.17	
34 41 13 00-0131 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,733.95	
34 41 13 00-0132 EA Sign, Message, "BLANK OUT", Bracket Mounted.....	2,875.24	
34 41 13 00-0133 EA Sign, Message, "BLANK OUT", Mast Arm Mounted.....	3,059.44	
34 41 13 00-0134 EA Sign, Fiber Optic, Bracket Mounted.....	3,268.04	
34 41 13 00-0135 EA Sign, Fiber Optic, Mast Arm Mounted.....	3,456.13	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0136 EA 30' Type 15TS Signal And Lighting Standard..... Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	4,922.17	
34 41 13 00-0137 EA 35' Type 21TS Signal And Lighting Standard..... Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	5,712.49	
34 41 13 00-0138 EA 17' Type 18-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	2,773.76	
34 41 13 00-0139 EA 17' Type 18-3-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	3,078.90	
34 41 13 00-0140 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	3,195.88	
34 41 13 00-0141 EA 17' Type 23-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,195.88	
34 41 13 00-0142 EA 17' Type 23-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	3,257.29	
34 41 13 00-0143 EA 17' Type 27-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,564.35	
34 41 13 00-0144 EA 17' Type 27-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	3,634.96	
34 41 13 00-0145 EA 17' Type 28-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	3,779.74	
34 41 13 00-0146 EA 17' Type 60-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	4,007.77	
34 41 13 00-0147 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	2,953.27	
34 41 13 00-0148 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	5,242.57	
34 41 13 00-0149 EA 30' Type 19-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	5,883.37	
34 41 13 00-0150 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	6,129.02	
34 41 13 00-0151 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	6,129.02	
34 41 13 00-0152 EA 30' Type 26-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	6,902.78	
34 41 13 00-0153 EA 30' Type 26-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	7,199.40	
34 41 13 00-0154 EA 30' Type 29-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	7,510.83	
34 41 13 00-0155 EA 30' Type 61-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	8,001.37	
34 41 13 00-0156 EA 35' Type 17A-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	6,093.22	
34 41 13 00-0157 EA 35' Type 19A-2-100 Signal And Lighting Standard..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	6,840.82	
34 41 13 00-0158 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	7,127.41	
34 41 13 00-0159 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	7,127.41	
34 41 13 00-0160 EA 35' Type 26A-3-100 Signal And Lighting Standard..... Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,030.13	
34 41 13 00-0161 EA 35' Type 26A-4-100 Signal And Lighting Standard..... Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	8,376.19	
34 41 13 00-0162 EA 35' Type 29A-5-100 Signal And Lighting Standard..... Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	8,739.53	
34 41 13 00-0163 EA 35' Type 61A-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	9,311.80	
34 41 13 00-0164 EA 15' Steel Straight Mast Arm, MONOTUBE.....	2,037.75	
34 41 13 00-0165 EA 20' Steel Straight Mast Arm, MONOTUBE.....	2,140.47	
34 41 13 00-0166 EA 25' Steel Straight Mast Arm, MONOTUBE.....	2,289.82	
34 41 13 00-0167 EA 30' Steel Straight Mast Arm, MONOTUBE.....	3,078.50	
34 41 13 00-0168 EA 35' Steel Straight Mast Arm, MONOTUBE.....	3,701.06	
34 41 13 00-0169 EA 40' Steel Straight Mast Arm, MONOTUBE.....	3,971.69	
34 41 13 00-0170 EA 45' Steel Straight Mast Arm, MONOTUBE.....	4,369.46	
34 41 13 00-0171 EA 50' Steel Straight Mast Arm, MONOTUBE.....	4,959.39	
34 41 13 00-0172 EA 55' Steel Straight Mast Arm, MONOTUBE.....	5,651.91	
34 41 13 00-0173 EA 60' Steel Straight Mast Arm, MONOTUBE.....	6,110.91	
34 41 13 00-0174 EA 65' Steel Straight Mast Arm, MONOTUBE.....	7,088.52	
34 41 13 00-0175 EA 4' Steel Curved Luminaire Mast Arm.....	699.71	
For High Rise Arm, Add	57.06	
For High Rise Straight Arm, Add	45.65	
34 41 13 00-0176 EA 6' Steel Curved Luminaire Mast Arm.....	908.90	
For High Rise Arm, Add	76.29	
For High Rise Straight Arm, Add	61.03	
34 41 13 00-0177 EA 8' Steel Curved Luminaire Mast Arm.....	1,137.15	
For High Rise Arm, Add	95.51	
For High Rise Straight Arm, Add	76.41	
34 41 13 00-0178 EA 10' Steel Curved Luminaire Mast Arm.....	1,565.79	
For High Rise Arm, Add	112.29	
For High Rise Straight Arm, Add	89.83	
34 41 13 00-0179 EA 12' Steel Curved Luminaire Mast Arm.....	1,726.43	
For High Rise Arm, Add	132.43	
For High Rise Straight Arm, Add	105.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0180 EA 15' Steel Curved Luminaire Mast Arm.....	1,801.77	
<i>For High Rise Arm, Add</i>	147.69	
<i>For High Rise Straight Arm, Add</i>	118.15	
34 41 13 00-0181 EA 20' Steel Curved Luminaire Mast Arm.....	2,044.86	
<i>For High Rise Arm, Add</i>	176.37	
34 41 13 00-0182 EA 15' Tubular Aluminum Post.....	741.25	
34 41 13 00-0183 EA 17' Tubular Aluminum Post.....	790.38	
34 41 13 00-0184 EA 20' Tubular Aluminum Post.....	879.67	
34 41 13 00-0185 EA CUT-OFF POLE AND CAPPED.....	131.97	
34 41 13 00-0186 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	39.38	
34 41 13 00-0187 EA PAINT EXISTING TS POST COMPLETE.....	187.06	
34 41 13 00-0188 EA 1 Channel Loop Detector Amp.....	1,100.64	
34 41 13 00-0189 EA 4 Channel Loop Detector Amp.....	2,072.08	
34 41 13 00-0190 EA FLASHING BEACON WITH DOWNLIGHT.....	1,581.49	
34 41 13 00-0191 EA Flashing Beacon, Bracket Mounted.....	549.66	
34 41 13 00-0192 EA Flashing Beacon, Mast Arm Mounted.....	549.66	
34 41 13 00-0193 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	13,911.51	
34 41 13 00-0194 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,099.94	
34 41 13 00-0195 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	1,138.02	
34 41 13 00-0196 EA Smart Sensor HD (Wavetronix HD125).....	5,960.92	
34 41 13 00-0197 EA Access Point (Sensys AP240-ES).....	2,768.39	
Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0198 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	4,775.22	
34 41 13 00-0199 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	180.55	
34 41 13 00-0200 EA Repeater (Sensys RP240-B-LL).....	1,269.26	
Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0201 EA Wireless Flush Mounted Sensor (Sensys VSN240-F).....	585.04	
Note: Excludes coring.		
34 41 13 00-0202 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	1,473.09	
34 41 13 00-0203 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	4,246.34	1.25
34 41 13 00-0204 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	5,521.01	1.25
34 41 13 00-0205 EA Pole Base Foundation for Type 15 and 21 Poles.....	3,336.60	1.25
34 41 13 00-0206 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	4,246.34	1.25
34 41 13 00-0207 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	5,521.01	1.25
34 41 13 00-0208 EA Service Equipment Enclosure, Type III-AF.....	774.12	
34 41 13 00-0209 EA 12", 3 Section Signal, Mast Arm Mounted.....	1,066.53	
34 41 13 00-0210 EA 8", 3 Section Signal, Mast Arm Mounted.....	952.98	
34 41 13 00-0211 EA 12" FCV Visor.....	57.43	
34 41 13 00-0212 EA 8" FCV Visor.....	42.23	
34 41 13 00-0213 EA Eggcrate Visor.....	55.55	
34 41 13 00-0214 EA Pedestrian H/M.....	665.33	
34 41 13 00-0215 EA Pedestrian Audio.....	721.32	
34 41 13 00-0216 EA Adjustable Pushbutton.....	194.12	
34 41 13 00-0217 EA ADA Cap And Switch.....	235.95	
34 41 13 00-0218 EA 3 Section 12" Backplate.....	94.97	
34 41 13 00-0219 EA 3 Section 12" MAS Mount Backplate.....	140.20	
34 41 13 00-0220 EA 3 Section 8" Backplate.....	77.50	
34 41 13 00-0221 EA 12" Red LED Lenses.....	159.31	
34 41 13 00-0222 EA 12" Amber LED Lenses.....	169.77	
34 41 13 00-0223 EA 12" Green LED Lenses.....	284.50	
34 41 13 00-0224 EA 12" Red Arrow.....	158.47	
34 41 13 00-0225 EA 12" Amber Arrow.....	150.81	
34 41 13 00-0226 EA 12" Green Arrow.....	217.92	
34 41 13 00-0227 EA 8" Red.....	156.92	
34 41 13 00-0228 EA 8" Amber.....	151.26	
34 41 13 00-0229 EA 8" Green.....	179.18	
34 41 13 00-0230 EA Hand/Man.....	267.81	
34 41 13 00-0231 EA Frameworks, 8" TV-1-T.....	327.10	
34 41 13 00-0232 EA Frameworks, 8" TV-2-T.....	367.73	
34 41 13 00-0233 EA Frameworks, MAT MT.....	100.24	
34 41 13 00-0234 EA Frameworks, MAS MT.....	108.37	
34 41 13 00-0235 EA Frameworks, 3W PT TC.....	256.82	
34 41 13 00-0236 EA Frameworks, 2W PT TC.....	217.32	
34 41 13 00-0237 EA Frameworks, 2W SM TC.....	206.49	
34 41 13 00-0238 EA Frameworks, SV-1.....	138.85	
34 41 13 00-0239 EA Frameworks, TV-1.....	134.79	
34 41 13 00-0240 EA Type III Service Pedestal.....	2,469.46	
34 41 13 00-0241 EA Single Fuse Holder.....	26.75	
34 41 13 00-0242 EA Double Fuse Holder.....	60.86	
34 41 13 00-0243 EA Pullbox, 1-1/2" x 20" x 14".....	62.25	
34 41 13 00-0244 EA Pullbox, 5" x 28" x 18".....	82.75	
34 41 13 00-0245 EA Pullbox, 6" x 36" x 23".....	107.10	
34 41 13 00-0246 EA Pullbox Lids, FL9D.....	60.48	
34 41 13 00-0247 EA Pullbox Lids, FL30D.....	110.31	
34 41 13 00-0248 EA Pullbox Lids, FL36D.....	30.03	
34 41 13 00-0249 EA LED Enhanced Pedestrian Crossing Symbol Sign.....	1,058.08	78.59
Note: 2 required per system.		

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0250 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System..... Note: 4 required per system.	3,118.96	471.57
34 41 13 00-0251 EA Power Control Unit With Enclosure (Solar)..... Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	10,273.89	314.38
34 41 13 00-0252 EA Power Control Unit With Enclosure (A/C).....	6,647.56	314.38
34 41 13 00-0253 EA Push Button Assembly With Sign.....	652.94	157.19
34 41 13 00-0254 EA Advanced Warning Signs.....	1,209.68	157.19
34 41 13 00-0255 EA 14' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	2,468.62	
34 41 13 00-0256 EA 21' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm.	3,729.88	
34 41 13 00-0257 EA 22' High Galvanized Steel Traffic Signal Pole..... Note: For mast arm and luminare arm.	3,872.28	
34 41 13 00-0258 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm..... Note: For mast arm and luminare arm.	5,239.14	
34 41 13 00-0259 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm..... Note: For mast arm and luminare arm.	5,520.06	
34 41 13 00-0260 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	4,342.09	
34 41 13 00-0261 EA 30' High Galvanized Steel Traffic Signal Pole, Octaflute.....	3,878.41	
34 41 13 00-0262 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	3,177.09	
34 41 13 00-0263 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA.....	13,442.34	
34 41 13 00-0264 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA.....	15,606.02	
34 41 13 00-0265 Traffic Signal Cable <small>(34 41 13)</small>		
34 41 13 00-0266 LF 16 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.43	0.66
34 41 13 00-0267 LF 16 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.57	0.71
34 41 13 00-0268 LF 16 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.70	0.76
34 41 13 00-0269 LF 16 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	1.83	0.81
34 41 13 00-0270 LF 16 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	1.98	0.86
34 41 13 00-0271 LF 16 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.25	0.94
34 41 13 00-0272 LF 16 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	2.62	1.09
34 41 13 00-0273 LF 16 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.00	1.23
34 41 13 00-0274 LF 16 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	3.45	1.38
34 41 13 00-0275 LF 16 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	3.98	1.51
34 41 13 00-0276 LF 14 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.45	0.66
34 41 13 00-0277 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.60	0.71
34 41 13 00-0278 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.74	0.76
34 41 13 00-0279 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	1.89	0.81
34 41 13 00-0280 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.05	0.86
34 41 13 00-0281 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.34	0.94
34 41 13 00-0282 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	2.73	1.09
34 41 13 00-0283 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.13	1.23
34 41 13 00-0284 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	3.63	1.38
34 41 13 00-0285 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	4.22	1.51
34 41 13 00-0286 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.51	0.66
34 41 13 00-0287 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.69	0.71
34 41 13 00-0288 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.85	0.76
34 41 13 00-0289 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.02	0.81
34 41 13 00-0290 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.21	0.86
34 41 13 00-0291 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.56	0.94
34 41 13 00-0292 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	3.00	1.09
34 41 13 00-0293 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.45	1.23
34 41 13 00-0294 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	4.06	1.38
34 41 13 00-0295 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	4.79	1.51
34 41 13 00-0296 School Zone Flasher Beacons <small>(34 41 13)</small>		
34 41 13 00-0297 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,103.01	143.28
34 41 13 00-0298 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,124.66	143.28
34 41 13 00-0299 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,492.23	143.28
34 41 13 00-0300 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,561.51	143.28
34 41 13 00-0301 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	6,487.53	143.28
34 41 13 00-0302 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,759.03	143.28
34 41 13 00-0303 Traffic Light Control Synchronization <small>(34 41 13)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	34 41	13 00-0304	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	2,721.71	
	34 41	13 00-0305	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	2,052.41	
	34 41	13 00-0306	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	4,850.59	
	34 41	13 00-0307	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	3,250.82	
	34 41	13 00-0308	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	3,250.82	
	34 41	13 00-0309	EA	Solar Cabinet Assembly.....	8,994.08	
	34 41	13 00-0310	EA	Data Controller Interface Cable Assembly	371.48	
	34 41	13 00-0311	EA	900 MHZ Splitter.....	410.62	
	34 41	13 00-0312	EA	900 MHZ Surge Suppressor.....	145.64	
	34 41	13 00-0313	EA	Surge-Radio Lead in Cable.....	91.49	
	34 41	13 00-0314	EA	12DB GAIN YAGI Antenna	439.80	
	34 41	13 00-0315	EA	PELCO Antenna Mounting Bracket.....	307.72	
	34 41	13 00-0316	MLF	Coaxial Cable, LMR-400.....	2,224.28	
	34 41	13 00-0317	EA	Perle 16 Port Serial Server	2,574.43	
	34 41	13 00-0318	EA	Serial to Ethernet Card	1,272.43	
	34 41	13 00-0319	EA	404 Stand Alone Modem (GDI 404).....	1,122.99	
	34 41	13 00-0320		Traffic Signal Controls (34 41 13)		
	34 41	13 00-0321	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,022.25	
	34 41	13 00-0322	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	393.19	
	34 41	13 00-0323	EA	AccessBox for contract closure master card (CC-ACC).....	140.75	
	34 41	13 00-0324	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	545.82	
	34 41	13 00-0325	EA	Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	545.82	
	34 41	13 00-0326	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	84.89	
	34 41	13 00-0327	EA	SNAPS License for each enabled AP (SNAPS-PER-AP).....	227.76	
	34 41 16			Traffic Control Equipment (34 41)		
	34 41 16 00-0001			Transportation Control Equipment (34 41 16)		
	34 41	16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	6,860.34	658.82
	34 41	16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	6,936.24	696.75
	34 41	16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,452.74	704.95
	34 41	16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	10,048.40	855.93
	34 41	16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,259.51	422.25
	34 41	16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,157.36	462.28
	34 41	16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET.....	15,083.37	726.78
	34 41	16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	16,054.35	805.41
	34 41	16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	22,967.71	905.50
	34 41	16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	18,193.50	857.83
	34 41	16 00-0012	EA	CONTROLLER, TS, POST-MTD, TEMP	2,928.61	280.89
	34 41	16 00-0013	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	537.07	100.75
	34 41	16 00-0014	EA	CONCRETE BLOCK PEDESTAL	562.91	151.26
	34 41	16 00-0015	WK	MAINTAIN EXIST TS INSTALLATION	238.94	119.47
	34 41	16 00-0016	EA	INST SIGN BOARDS, ST. NAME	422.57	199.50
	34 41	16 00-0017	EA	F.O. ADD-IN FOR LOCAL CONTROLLER.....	7,657.55	269.03
	34 41	16 00-0018	EA	F.O. ADD-IN FOR MASTER CONTROLLER.....	18,505.66	403.66
	34 41	16 00-0019	EA	F.O. STAR MODEM.....	6,069.76	403.66
	34 70			Transportation Construction And Equipment (34)		
	34 71			Roadway Construction (34 70)		
	34 71 13			Vehicle Barriers (34 71)		
	34 71 13 13			Vehicle Median Barriers (34 71 13)		
	34 71 13 13-0001			Concrete Median Barrier (34 71 13 13)		
	34 71	13 13-0002	LF	Median Barrier, Precast, 42" High Single Face.....	50.83	3.11
	34 71	13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	54.01	3.11
	34 71	13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	58.54	3.11
	34 71	13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms.....	34.82	4.47
	34 71	13 13-0006	LF	Median Barrier, Slipformed Concrete.....	29.31	2.51
	34 71 13 16			Vehicle Crash Barriers (34 71 13)		
	34 71 13 16-0001			Impact Barrier, Non-Redirective (34 71 13 16)		
	34 71 13 16-0002			Sand Barrel Impact Attenuator (34 71 13 16-0001)		
				Note: Includes containers, inserts, and lid. Excludes sand.		
	34 71	13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	858.85	40.36
				Note: Includes containers, inserts, and lid.		
	34 71	13 16-0004	EA	1400 LB Sand Barrel.....	782.70	47.38
				Note: Includes containers, inserts, and lid.		
	34 71	13 16-0005	EA	2100 LB Sand Barrel.....	838.55	54.40
				Note: Includes containers, inserts, and lid.		

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0006 Sand For Sand Barrel Impact Attenuator (34 71 13 16-0001)		
34 71 13 16-0007 LB Sand for Sand Barrels.....	0.08	
34 71 13 26 Vehicle Guide Rails (34 71 13)		
34 71 13 26-0001 Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0002 Corrugated Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0003 Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0002)		
Note: Add additional length for back-up sections.		
34 71 13 26-0004 LF Corrugated Beam Guide Railing	6.80	1.83
34 71 13 26-0005 LF Corrugated Beam Guide Railing (Rustic)	7.19	1.83
34 71 13 26-0006 Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0002)		
Note: Add additional length for back-up sections.		
34 71 13 26-0007 LF Shop Curved Corrugated Beam Guide Railing	8.33	1.83
34 71 13 26-0008 LF Shop Curved Corrugated Beam Guide Railing (Rustic)	8.87	1.83
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing End	18.61	1.83
Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End	20.14	1.83
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0011 Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0001)		
34 71 13 26-0012 EA Corrugated Beam Guide Railing End Section At Anchor Unit	61.47	24.04
34 71 13 26-0013 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	63.55	24.04
34 71 13 26-0014 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section	73.99	24.04
34 71 13 26-0015 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	76.07	24.04
34 71 13 26-0016 EA Corrugated Beam Guide Railing 225 Degree End Section	73.99	24.04
34 71 13 26-0017 EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	76.07	24.04
34 71 13 26-0018 Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0001)		
Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0019 EA Regent Flared End Terminal Head With Bracket, Type B & C	1,396.48	147.55
34 71 13 26-0020 EA Fleat Flared End Terminal Head With Bracket	1,187.83	147.55
34 71 13 26-0021 EA SKT 350 Tangent End Terminal Head With Bracket	1,396.48	147.55
34 71 13 26-0022 EA 12'-6" Corrugated Beam Pre-drilled #1 Panel	249.23	69.56
34 71 13 26-0023 EA Terminal Support System, Type SFT	632.70	185.99
34 71 13 26-0024 EA Terminal Support System, Type ET	2,845.77	526.40
34 71 13 26-0025 EA Terminal Support System, Type SRT	3,056.80	526.40
34 71 13 26-0026 Corrugated Beam Guide Rail Posts (34 71 13 26-0001)		
Note: Includes mounting hardware.		
34 71 13 26-0027 EA Standard Post For Corrugated Beam Guide Rail	47.78	10.80
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.88	
34 71 13 26-0028 EA Standard Post For (Rustic) Corrugated Beam Guide Rail	49.87	10.80
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.88	
34 71 13 26-0029 EA Extra Long Post for Corrugated Beam Guide Rail	51.96	10.80
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.88	
34 71 13 26-0030 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail	54.04	10.80
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.88	
34 71 13 26-0031 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	47.78	10.80
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.88	
34 71 13 26-0032 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	64.48	10.80
For Installation In Rock, Add	2.88	
34 71 13 26-0033 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0001)		
Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0034 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	47.78	10.80
34 71 13 26-0035 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	49.87	10.80
34 71 13 26-0036 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	51.96	10.80
34 71 13 26-0037 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	54.04	10.80
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0038 EA Type A Post 1630mm Post	46.74	10.80
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0039 EA Type A Post 1630mm Post (Rustic)	48.83	10.80
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0040 EA Type B Post 1460mm	44.65	10.80
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041 EA Type B Post 1460mm (Rustic)	46.74	10.80
Note: For heavy post blocked out corrugated beam guide rail		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0042 EA Type C Post 1290mm Note: For heavy post blocked out corrugated beam guide rail	42.57	10.80
34 71 13 26-0043 EA Type C Post 1290mm (Rustic) Note: For heavy post blocked out corrugated beam guide rail	44.65	10.80
34 71 13 26-0044 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	152.44	10.80
34 71 13 26-0045 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam Note: For heavy post blocked out corrugated beam guide rail.	24.83	10.80
34 71 13 26-0046 Corrugated Beam Guide Rail Accessories (34 71 13 26-0001)		
34 71 13 26-0047 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	57.29	27.32
34 71 13 26-0048 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0001)		
Note: Includes associated hardware.		
34 71 13 26-0049 LF Remove And Store Corrugated Beam Guide Railing And Post	10.67	
34 71 13 26-0050 EA Install Stored Post For Corrugated Beam Guide Rail.....	36.43	
34 71 13 26-0051 LF Install Stored Corrugated Beam Guide Railing And Post.....	6.20	
34 71 13 26-0052 Corrugated Thrie Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0053 Corrugated Thrie Beam Guide Railing, Straight Sections (34 71 13 26-0052)		
Note: Add additional length for back-up sections.		
34 71 13 26-0054 LF Corrugated Thrie Beam Guide Railing	13.71	2.30
34 71 13 26-0055 LF Corrugated Thrie Beam Guide Railing (Rustic).....	14.35	2.30
34 71 13 26-0056 Corrugated Thrie Beam Guide Railing, Shop Curved (34 71 13 26-0052)		
Note: Add additional length for back-up sections.		
34 71 13 26-0057 LF Shop Curved Corrugated Thrie Beam Guide Railing	16.26	2.30
34 71 13 26-0058 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	16.89	2.30
34 71 13 26-0059 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0052)		
Note: Includes hardware for mounting.		
34 71 13 26-0060 EA Standard Post For Corrugated Thrie Beam Guide Rail	48.96	2.30
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0061 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	51.05	2.30
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0062 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0063 Timber Guide Rail Posts (34 71 13 26-0062)		
34 71 13 26-0064 EA 6" x 8" Timber Guide Rail Post.....	63.77	9.11
34 71 13 26-0065 EA 6" x 9" Timber Guide Rail Post.....	72.01	9.11
34 71 13 26-0066 EA 10" x 10" Timber Guide Rail Post.....	136.60	9.11
34 71 13 26-0067 EA 10" x 12" Timber Guide Rail Post.....	144.30	9.11
34 71 13 26-0068 EA 12" x 12" Timber Guide Rail Post.....	166.26	9.11
34 71 13 26-0069 Timber Guide Rails (34 71 13 26-0062)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0070 LF 4" x 9" Timber Guide Rail.....	7.89	1.10
34 71 13 26-0071 LF 6" x 10" Timber Guide Rail.....	10.86	1.10
34 71 13 26-0072 LF 6" x 12" Timber Guide Rail.....	12.59	1.10
34 71 13 26-0073 Spacer Blocks For Timber Guide Rails (34 71 13 26-0062)		
34 71 13 26-0074 EA 4" x 9" Spacer Block For Timber Guide Rails.....	10.29	1.46
34 71 13 26-0075 EA 6" x 8" Spacer Block For Timber Guide Rails.....	11.72	1.46
34 71 13 26-0076 EA 8" x 8" Spacer Block For Timber Guide Rails.....	13.53	1.46
34 71 13 26-0077 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0062)		
34 71 13 26-0078 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.71	0.91
34 71 13 26-0079 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0062)		
34 71 13 26-0080 EA Weathering Steel Splice Plate For Timber Guide Rails.....	98.92	12.75
34 71 13 26-0081 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails	62.67	9.11
34 71 13 26-0082 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0083 Cable Guide Rail (34 71 13 26-0082)		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0084 LF Cable (Each Cable)..... Note: Includes tensioning. Excludes splices.	4.40	1.97
34 71 13 26-0085 EA Cable Splice With Wedges.....	80.82	13.66
34 71 13 26-0086 Cable Guide Rail Posts (34 71 13 26-0082) Note: Includes hardware for cable mounting.		
34 71 13 26-0087 EA Standard Post for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	79.30 -5.00 9.60	35.99
34 71 13 26-0088 EA Standard Post (Rustic) for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	81.38 -5.00 9.60	35.99
34 71 13 26-0089 EA Extra Long Post for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	81.38 -5.00 9.60	35.99
34 71 13 26-0090 EA Extra Long Post (Rustic) for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	83.47 -5.00 9.60	35.99
34 71 13 26-0091 EA Slip Impact Post Top for Anchor Unit.....	44.24	14.40
34 71 13 26-0092 EA Slip Impact Post Base and Keeper Plate..... Note: For anchor unit.	96.40	14.40
34 71 13 26-0093 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0082)		
34 71 13 26-0094 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors.....	314.27	182.51
34 71 13 26-0095 EA Turnbuckle Cable End Assembly.....	53.90	9.13
34 71 13 26-0096 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors.....	152.11	4.54
34 71 13 26-0097 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle.....	156.28	4.54
34 71 13 26-0098 EA Breakaway Anchor Angle.....	66.42	9.13
34 71 13 26-0099 EA Standard End Post Cap Assembly.....	31.09	4.54
34 71 13 26-0100 EA Driveway End Post Cap Assembly.....	26.91	4.54
34 71 13 26-0101 EA End Post Ground Support Plates.....	16.48	4.54
34 71 13 26-0102 EA 11" Stud Bolt, Cable Guide Rail.....	14.92	4.54
34 71 13 26-0103 EA 18" Stud Bolt, Cable Guide Rail.....	17.00	4.54
34 71 13 26-0104 EA 25" Stud Bolt, Cable Guide Rail.....	19.09	4.54
34 71 13 26-0105 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	137.36	9.13
34 71 13 26-0106 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	145.71	9.13
34 71 13 26-0107 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	99.80	9.13
34 71 13 26-0108 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	60.30	4.54
34 71 13 26-0109 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	66.42	9.13
34 71 13 26-0110 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	74.56	13.66
34 71 13 26-0111 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0082)		
34 71 13 26-0112 EA Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	114.10	12.03
34 71 13 26-0113 EA Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	214.25	12.03
34 71 13 26-0114 EA Anchor Angle For Slip Impact Post System.....	70.28	12.03
34 71 13 26-0115 EA Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	59.85	12.03
34 71 13 26-0116 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0082) Note: All tasks include associated hardware.		
34 71 13 26-0117 LF Retention Existing Cable (Each Cable).....	1.22	
34 71 13 26-0118 LF Remove and Store Cable Guide Railing.....	7.33	
34 71 13 26-0119 EA Install Stored Post For Cable Guide Railing.....	48.00	
34 71 13 26-0120 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	3.24	
34 71 13 26-0121 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0122 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0121)		
34 71 13 26-0123 Straight Sections, Box Beam Guide Rail (34 71 13 26-0122)		
34 71 13 26-0124 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. For Flush Mounting Directly To Structure, Add	16.10 1.83	2.30
34 71 13 26-0125 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)..... Note: Excludes splices. For Flush Mounting Directly To Structure, Add	18.01 1.83	2.30
34 71 13 26-0126 Shop Curved, Box Beam Guide Rail (34 71 13 26-0122)		
34 71 13 26-0127 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	23.41 2.44 1.83	2.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0128 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	25.32 2.44 1.83	2.30
34 71 13 26-0129 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0121) Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0130 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	245.08	27.32
34 71 13 26-0131 EA Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	268.03	27.32
34 71 13 26-0132 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	232.56	27.32
34 71 13 26-0133 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	240.91	27.32
34 71 13 26-0134 Splices For Box Beam Guide Rail (34 71 13 26-0121)		
34 71 13 26-0135 EA Splice For Box Beam Guide Rail.....	112.41	40.55
34 71 13 26-0136 EA Splice For Box Beam Guide Rail (Rustic).....	127.01	40.55
34 71 13 26-0137 Box Beam Guide Rail Posts (34 71 13 26-0121) Note: Includes hardware for box beam mounting.		
34 71 13 26-0138 EA Standard Post For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	81.38 -5.00 9.60	35.99
34 71 13 26-0139 EA Standard Post (Rustic) for Box Beam Guide Railing..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	83.47 -5.00 9.60	35.99
34 71 13 26-0140 EA Extra Long Post For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	85.56 -5.00 9.60	35.99
34 71 13 26-0141 EA Extra Long Post (Rustic) For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	87.64 -5.00 9.60	35.99
34 71 13 26-0142 EA Type I End Assembly Post..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	79.30 -5.00 9.60	35.99
34 71 13 26-0143 EA Type I End Assembly Post (Rustic)..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	81.38 -5.00 9.60	35.99
34 71 13 26-0144 EA Type II End Assembly Post..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	77.21 -5.00 9.60	35.99
34 71 13 26-0145 EA Type II End Assembly Post (Rustic)..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	79.30 -5.00 9.60	35.99
34 71 13 26-0146 Box Beam Guide Rail Accessories (34 71 13 26-0121)		
34 71 13 26-0147 EA Box Beam Guide Rail End Cover Plate.....	35.96	8.20
34 71 13 26-0148 EA Box Beam Guide Rail End Cover Plate (Rustic)	38.04	8.20
34 71 13 26-0149 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0121) Note: For existing guide rail.		
34 71 13 26-0150 LF Remove And Store Box Beam Guide Rail And Post.....	3.60	
34 71 13 26-0151 LF Reset Box Beam Guide Rail	10.51	
34 71 13 26-0152 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0153 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0152)		
34 71 13 26-0154 Straight Sections, Box Beam Median Barrier (34 71 13 26-0153)		
34 71 13 26-0155 LF Box Beam Median Barrier Galvanized Excludes Splices..... For Flush Mounting Directly To Structure, Add	30.95 1.83	8.20
34 71 13 26-0156 LF Box Beam Median Barrier (Rustic) Excludes Splices..... For Flush Mounting Directly To Structure, Add	32.86 1.83	8.20
34 71 13 26-0157 Shop Curved, Box Beam Median Barrier (34 71 13 26-0153)		
34 71 13 26-0158 LF Shop Curved Box Beam Median Barrier Galvanized Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	35.97 2.44 1.83	8.20
34 71 13 26-0159 LF Shop Curved Box Beam Median Barrier Rustic Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	42.23 2.44 1.83	8.20

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34 70 Transportation Construction And Equipment
34 71 Roadway Construction



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0160		Box Beam Median Barrier End Treatment Sections <small>(34 71 13 26-0152)</small> Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0161	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	743.75	27.32
34 71 13 26-0162	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	760.45	27.32
34 71 13 26-0163	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	743.75	27.32
34 71 13 26-0164	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	760.45	27.32
34 71 13 26-0165		Splices For Box Beam Median Barrier <small>(34 71 13 26-0152)</small>		
34 71 13 26-0166	EA	Splice for Box Beam Median Barrier	75.04	21.86
34 71 13 26-0167	EA	Splice for Box Beam Median Barrier (Rustic).....	106.34	21.86
34 71 13 26-0168		Box Beam Median Barrier Posts Driven With Soil Plate <small>(34 71 13 26-0152)</small> Note: Includes all associated hardware.		
34 71 13 26-0169	EA	Standard Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	81.38 -5.00 9.60	35.99
34 71 13 26-0170	EA	Standard Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	83.47 -5.00 9.60	35.99
34 71 13 26-0171	EA	Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	85.56 -5.00 9.60	35.99
34 71 13 26-0172	EA	Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	87.64 -5.00 9.60	35.99
34 71 13 26-0173	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	77.21 -5.00 9.60	35.99
34 71 13 26-0174	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	77.21 -5.00 9.60	35.99
34 71 13 26-0175	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete..... Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	85.56 -5.00 9.60	35.99
34 71 13 26-0176	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	87.64 -5.00 9.60	35.99
34 71 13 26-0177		Box Beam Median Barrier Accessories <small>(34 71 13 26-0152)</small>		
34 71 13 26-0178	EA	Box Beam Median Barrier End Cover Plate.....	55.22	19.24
34 71 13 26-0179	EA	Box Beam Median Barrier End Cover Plate (Rustic).....	57.31	19.24
34 71 13 26-0180		Box Beam Median Barrier Repair, And Resetting <small>(34 71 13 26-0152)</small> Note: For existing guide rail.		
34 71 13 26-0181	LF	Remove and Store Box Beam Median Barrier and Posts	3.72	
34 71 13 26-0182	LF	Reset Box Beam Median Barrier.....	11.00	
34 71 13 26-0183		Universal Guide Rail Items <small>(34 71 13 26)</small>		
34 71 13 26-0184		Guide Rail Concrete Anchor Units For All Types Of Guide Rail <small>(34 71 13 26-0183)</small> Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0185	CY	Guide Rail Concrete Anchor Unit <i>For Each Additional Set Of Anchor Rods, Add</i>	574.15 38.00	
34 71 13 26-0186	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	417.79	
34 71 13 26-0187		Guide Rail Repair For All Types Of Existing Guide Rail <small>(34 71 13 26-0183)</small> Note: All tasks include associated hardware.		
34 71 13 26-0188	EA	Straighten And Reset Driven Post For Guide Rail	48.00	
34 71 13 26-0189	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail..... Note: With base plate for guide rail. Includes new anchor bolts.	51.00	
34 71 13 26-0190		Additional Wood and Steel Posts <small>(34 71 13 26-0183)</small>		
34 71 13 26-0191	LF	4" x 6" Wood Post <i>For Installation In Rock, Add</i>	25.94 3.21	12.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0192 LF 6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	29.07 3.21	12.03
34 71 13 26-0193 LF 6" x 7/8" Steel Post Galvanized <i>For Installation In Rock, Add</i>	21.94 3.21	12.03
34 71 13 26-0194 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	156.89	12.03
34 71 13 26-0195 Accessories For All Types of Guide Rail (34 71 13 26-0183)		
34 71 13 26-0196 EA Reflector, Guard Rail	15.58	
34 71 13 26-0197 Resilient Guard Fence And Light Shield (34 71 13 26)		
34 71 13 26-0198 LF Resilient Guard Fence And Light Shield, Up To 6' High	52.31	5.61
34 71 13 26-0199 Individual Concrete Posts (34 71 13 26)		
34 71 13 26-0200 EA 6'-5" Concrete Posts, Round.....	68.31	5.61
34 71 13 26-0201 EA 6'-5" Concrete Posts, Square.....	76.42	6.32
34 71 13 26-0202 EA 6'-5" Concrete Posts, Triangular.....	74.43	6.32
34 71 13 26-0203 Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0204 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0203)		
34 71 13 26-0205 EA Box Beam To Corrugated Beam Rail Bolted Section.....	368.52	
34 71 13 26-0206 EA Box Beam To Corrugated Beam Rail Bolted Plate..... Note: For making cable connections.	285.06	
34 71 13 26-0207 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0203)		
34 71 13 26-0208 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	372.69	
34 71 13 26-0209 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	285.06	
Note: For making cable connections.		
34 71 13 26-0210 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0203)		
34 71 13 26-0211 EA Box Beam to Cable Guide Rail U-bolt And Plate	45.19	14.57
34 71 13 26-0212 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0203)		
34 71 13 26-0213 EA Box Beam Median Barrier To Concrete Barrier End Connection	451.98	
34 71 13 26-0214 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0203)		
34 71 13 26-0215 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	347.65	
34 71 13 26-0216 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	399.82	
34 71 13 26-0217 Transition Railing (Monterey County) (34 71 13 26)		
Note: Complete with rail, posts, transition and bolts.		
34 71 13 26-0218 EA Transition Railing, Type WB-31 (Monterey County).....	2,802.61	1.83
34 71 16 Impact Attenuating Devices (34 71)		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals (34 71 16)		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	17,129.63	2,582.38
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	23,472.69	3,443.18
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	31,636.30	4,519.17
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	36,430.07	5,595.15
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,720.56	2,905.17
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,694.44	3,873.57
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,928.62	5,164.76
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,723.19	6,240.75
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,321.74	3,227.98
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,925.87	4,303.96
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	37,781.54	5,702.75
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	45,005.39	6,886.34

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34 70	Transportation Construction And Equipment
34 71	Roadway Construction


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 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 71 16 00-0017	69" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)			
34 71 16 00-0018	EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	22,128.33		3,550.77
34 71 16 00-0019	EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator.....	30,237.26		4,734.37
34 71 16 00-0020	EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator.....	40,953.19		6,240.75
34 71 16 00-0021	EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator.....	48,626.63		7,531.94
34 71 16 00-0022	90" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)			
34 71 16 00-0023	EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator.....	23,964.44		3,873.57
34 71 16 00-0024	EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator.....	32,583.62		5,164.76
34 71 16 00-0025	EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator.....	44,625.39		6,886.34
34 71 16 00-0026	EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator.....	52,311.13		8,177.53
34 71 19	Vehicle Delineators (34 71)			
34 71 19 16	Flexible Vehicle Delineators (34 71 19)			
34 71 19 16-0001	EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	57.26		7.02
34 80	Bridges (34)			
34 82	Bridge Specialties (34 80)			
34 82 23	Bridge Railing (34 82)			
34 82 23 00-0001	Metal Bridge Railing (34 82 23)			
	Note: Includes hardware for bridge rail mounting.			
34 82 23 00-0002	LF 2" x 2" x 1/8" Bridge Railing.....	32.12		3.02
34 82 23 00-0003	LF 3" x 3" x 5/16" Bridge Railing.....	54.57		4.71
34 82 23 00-0004	LF 5" x 3" x 1/4" Bridge Railing.....	70.45		6.90
34 82 23 00-0005	LF 6" x 6" x 3/16" Bridge Railing.....	93.72		8.70
34 82 23 00-0006	LF 5" Outside Diameter x 1/4" Bridge Railing.....	75.04		6.70
34 82 23 00-0007	Bridge Post (34 82 23)			
	Note: Includes hardware for bridge post mounting.			
34 82 23 00-0008	EA 6" x 9" x 5'-6" Bridge Post.....	126.25		38.76
34 82 23 00-0009	EA 6" x 9" x 7' Bridge Post.....	153.95		41.19
34 82 23 00-0010	EA Two Rail With Base Plate Bridge Post Assembly.....	344.87		72.68
34 82 23 00-0011	EA Two Rail With Curb Bridge Post Assembly.....	418.33		77.52
34 82 23 00-0012	EA Two Rail (Curbless) Bridge Post Assembly.....	384.70		77.52
34 82 23 00-0013	EA Two Rail With Optional Handrail Bridge Post Assembly.....	456.29		77.52
34 82 23 00-0014	EA Three Rail With Base Plate Bridge Post Assembly.....	358.45		77.52
34 82 23 00-0015	EA Three Rail With Curb Bridge Post Assembly.....	477.05		79.94
34 82 23 00-0016	EA Three Rail (Curbless) Bridge Post Assembly.....	468.19		79.94
34 82 23 00-0017	EA Three Rail With Optional Handrail Bridge Post Assembly.....	568.85		79.94
34 82 23 00-0018	EA Four Rail (Curbless) With Base Plate Bridge Post.....	396.92		82.36
34 82 23 00-0019	EA Four Rail With Base Plate (Sidewalk Type) Bridge Post.....	397.01		82.36
34 82 23 00-0020	EA Four Rail With Curb Bridge Post Assembly.....	576.92		82.36
34 82 23 00-0021	EA Four Rail (Curbless) Bridge Post Assembly.....	591.53		82.36
34 82 23 00-0022	EA Five Rail With Base Plate (Curbless) Bridge Post Assembly.....	439.58		87.21
34 82 23 00-0023	Bridge Railing Splices (34 82 23)			
	Note: Includes hardware for splices.			
34 82 23 00-0024	EA 5" Outside Diameter Bridge Railing Splice.....	174.61		18.73
34 82 23 00-0025	EA 5" x 3" Bridge Railing Splice.....	106.07		16.40
34 82 23 00-0026	EA 3" x 3" Bridge Railing Splice.....	65.95		11.71
34 82 23 00-0027	EA 2" x 2" Bridge Railing Splice.....	34.63		8.43
34 82 23 00-0028	EA 5" x 5" x 3' Expansion Splice Tube.....	134.21		18.12
34 82 23 00-0029	EA 4" x 2" x 3' Expansion Splice Bar.....	142.43		18.12
34 82 23 00-0030	EA 5" x 5" x 2' Fixed Splice Tube.....	123.40		18.12
34 82 23 00-0031	EA 4" x 2" x 2' Fixed Splice Bar.....	126.37		18.12
34 82 23 00-0032	EA 6" x 6" x 3/16" Box x 9' Flare Tube.....	181.23		24.47
34 82 23 00-0033	Transition For Bridge Railing (34 82 23)			
	Note: Includes hardware for transition for bridge railing.			
34 82 23 00-0034	EA Two Rail Box Beam To Bridge Transition With Splices.....	736.85		96.89
34 82 23 00-0035	EA Three Rail Box Beam To Bridge Transition With Splices.....	783.50		101.74
34 82 23 00-0036	EA Four Rail Box Beam To Bridge Transition With Splices.....	908.01		106.59
34 82 23 00-0037	EA 6" x 6" x 16-1/2' Bottom Transition Tube.....	314.80		48.45
34 82 23 00-0038	EA 6" x 6" x 22' Bottom Transition Tube.....	385.06		53.29
34 82 23 00-0039	EA 8" x 6" x 16-1/2' Bottom Transition Tube.....	363.17		48.45
34 82 23 00-0040	EA 6" x 6" x 16-1/2' Top Transition Tube.....	322.07		48.45
34 82 23 00-0041	EA 6" x 6" x 21-1/2' Top Transition Tube.....	379.06		53.29
34 82 23 00-0042	EA 8" x 6" x 16-1/2' Top Transition Tube.....	372.19		48.45
34 82 23 00-0043	EA 6" x 6" x 16-1/2' Middle Transition Tube.....	304.83		48.45
34 82 23 00-0044	EA 8" x 6" x 16-1/2' Middle Transition Tube.....	367.68		48.45



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Bridges	34 80	
Bridge Specialties	34 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0045 Anchor Plates And End Caps For Bridge Railing <small>(34 82 23)</small>		
34 82 23 00-0046 EA 14" x 14" Bridge Railing Anchor Plate.....	33.13	4.68
34 82 23 00-0047 EA 18" x 22" Deck Anchor Plate.....	197.45	23.42
34 82 23 00-0048 EA 2" x 2" Bridge Railing End Cap.....	26.15	2.35
34 82 23 00-0049 EA 3" x 3" Bridge Railing End Cap.....	16.81	2.35
34 82 23 00-0050 EA 5" O.D Bridge Railing End Cap.....	16.70	2.35
 34 82 26 Bridge Slope Protection <small>(34 82)</small>		
34 82 26 00-0001 Bridge Slope Protection <small>(34 82 26)</small>		
Note: Solid concrete masonry unit installed in sand bedding.		
34 82 26 00-0002 SF 8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection.....	10.08	4.10
34 82 26 00-0003 SF 8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection.....	11.83	4.52
34 82 26 00-0004 SF 8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection.....	12.99	4.80

END OF SECTION 34

34 Transportation

34 80 Bridges

34 82 Bridge Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19) <small>Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04.</small>		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	425.76 -21.38 14.58 32.41	152.70
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	450.60 -23.67 16.14 35.87	155.36
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	475.45 -25.96 17.70 39.34	158.03
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	500.29 -28.25 19.26 42.81	160.70
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	525.14 -30.54 20.82 46.28	163.37
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	549.98 -32.82 22.38 49.74	166.04
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	574.83 -35.11 23.94 53.21	168.71
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	599.66 -37.40 25.50 56.68	171.38
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	624.51 -39.69 27.06 60.15	174.05
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	649.35 -41.98 28.62 63.61	176.72
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	674.20 -44.26 30.18 67.08	179.39
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	699.04 -46.55 31.74 70.55	182.06
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	723.89 -48.84 33.30 74.01	184.73
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	748.73 -51.13 34.86 77.48	187.39
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	773.58 -53.42 36.42 80.95	190.07
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	798.42 -55.70 37.98 84.42	192.73

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020 EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	823.27	195.41
For Class 52 Rating, Deduct	-57.99	
For Class 54 Rating, Add	39.54	
For Class 55 Rating, Add	87.88	
40 05 19 00-0021 EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	848.11	198.07
For Class 52 Rating, Deduct	-60.28	
For Class 54 Rating, Add	41.10	
For Class 55 Rating, Add	91.35	
40 05 19 00-0022 EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.96	200.75
For Class 52 Rating, Deduct	-62.57	
For Class 54 Rating, Add	42.66	
For Class 55 Rating, Add	94.82	
40 05 19 00-0023 EA 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.80	203.41
For Class 52 Rating, Deduct	-64.86	
For Class 54 Rating, Add	44.22	
For Class 55 Rating, Add	98.29	
40 05 19 00-0024 EA 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	922.65	206.09
For Class 52 Rating, Deduct	-67.14	
For Class 54 Rating, Add	45.78	
For Class 55 Rating, Add	101.75	
40 05 19 00-0025 EA 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	947.49	208.75
For Class 52 Rating, Deduct	-69.43	
For Class 54 Rating, Add	47.34	
For Class 55 Rating, Add	105.22	
40 05 19 00-0026 EA 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	972.34	211.43
For Class 52 Rating, Deduct	-71.72	
For Class 54 Rating, Add	48.90	
For Class 55 Rating, Add	108.69	
40 05 19 00-0027 EA 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	997.18	214.09
For Class 52 Rating, Deduct	-74.01	
For Class 54 Rating, Add	50.46	
For Class 55 Rating, Add	112.16	
40 05 19 00-0028 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.03	216.77
For Class 52 Rating, Deduct	-76.30	
For Class 54 Rating, Add	52.02	
For Class 55 Rating, Add	115.62	
40 05 19 00-0029 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.87	219.43
For Class 52 Rating, Deduct	-78.58	
For Class 54 Rating, Add	53.58	
For Class 55 Rating, Add	119.09	
40 05 19 00-0030 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.72	222.10
For Class 52 Rating, Deduct	-80.87	
For Class 54 Rating, Add	55.14	
For Class 55 Rating, Add	122.56	
40 05 19 00-0031 EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.56	224.77
For Class 52 Rating, Deduct	-83.16	
For Class 54 Rating, Add	56.70	
For Class 55 Rating, Add	126.03	
40 05 19 00-0032 EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.40	227.44
For Class 52 Rating, Deduct	-85.45	
For Class 54 Rating, Add	58.26	
For Class 55 Rating, Add	129.49	
40 05 19 00-0033 EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,146.24	230.11
For Class 52 Rating, Deduct	-87.74	
For Class 54 Rating, Add	59.82	
For Class 55 Rating, Add	132.96	
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,171.09	232.78
For Class 52 Rating, Deduct	-90.02	
For Class 54 Rating, Add	61.38	
For Class 55 Rating, Add	136.43	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,195.93	235.45
For Class 52 Rating, Deduct	-92.31	
For Class 54 Rating, Add	62.94	
For Class 55 Rating, Add	139.89	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,220.78	238.11
For Class 52 Rating, Deduct	-94.60	
For Class 54 Rating, Add	64.50	
For Class 55 Rating, Add	143.36	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.62	240.79
For Class 52 Rating, Deduct	-96.89	
For Class 54 Rating, Add	66.06	
For Class 55 Rating, Add	146.83	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.47	243.45
For Class 52 Rating, Deduct	-99.18	
For Class 54 Rating, Add	67.62	
For Class 55 Rating, Add	150.30	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.32	246.13
For Class 52 Rating, Deduct	-101.46	
For Class 54 Rating, Add	69.18	
For Class 55 Rating, Add	153.76	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,320.16	248.79
For Class 52 Rating, Deduct	-103.75	
For Class 54 Rating, Add	70.74	
For Class 55 Rating, Add	157.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,345.01	251.46
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,369.85	254.13
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	538.42	192.20
<i>For Class 52 Rating, Deduct</i>	-27.19	
<i>For Class 54 Rating, Add</i>	18.54	
<i>For Class 55 Rating, Add</i>	41.21	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	568.06	194.87
<i>For Class 52 Rating, Deduct</i>	-30.01	
<i>For Class 54 Rating, Add</i>	20.46	
<i>For Class 55 Rating, Add</i>	45.48	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.71	197.54
<i>For Class 52 Rating, Deduct</i>	-32.82	
<i>For Class 54 Rating, Add</i>	22.38	
<i>For Class 55 Rating, Add</i>	49.74	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	627.35	200.21
<i>For Class 52 Rating, Deduct</i>	-35.64	
<i>For Class 54 Rating, Add</i>	24.30	
<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	657.00	202.88
<i>For Class 52 Rating, Deduct</i>	-38.46	
<i>For Class 54 Rating, Add</i>	26.22	
<i>For Class 55 Rating, Add</i>	58.28	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	686.63	205.55
<i>For Class 52 Rating, Deduct</i>	-41.27	
<i>For Class 54 Rating, Add</i>	28.14	
<i>For Class 55 Rating, Add</i>	62.55	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	716.28	208.22
<i>For Class 52 Rating, Deduct</i>	-44.09	
<i>For Class 54 Rating, Add</i>	30.06	
<i>For Class 55 Rating, Add</i>	66.81	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	745.92	210.89
<i>For Class 52 Rating, Deduct</i>	-46.90	
<i>For Class 54 Rating, Add</i>	31.98	
<i>For Class 55 Rating, Add</i>	71.08	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	775.57	213.56
<i>For Class 52 Rating, Deduct</i>	-49.72	
<i>For Class 54 Rating, Add</i>	33.90	
<i>For Class 55 Rating, Add</i>	75.35	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.21	216.23
<i>For Class 52 Rating, Deduct</i>	-52.54	
<i>For Class 54 Rating, Add</i>	35.82	
<i>For Class 55 Rating, Add</i>	79.62	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.86	218.89
<i>For Class 52 Rating, Deduct</i>	-55.35	
<i>For Class 54 Rating, Add</i>	37.74	
<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	864.50	221.57
<i>For Class 52 Rating, Deduct</i>	-58.17	
<i>For Class 54 Rating, Add</i>	39.66	
<i>For Class 55 Rating, Add</i>	88.15	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	894.15	224.23
<i>For Class 52 Rating, Deduct</i>	-60.98	
<i>For Class 54 Rating, Add</i>	41.58	
<i>For Class 55 Rating, Add</i>	92.42	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.79	226.91
<i>For Class 52 Rating, Deduct</i>	-63.80	
<i>For Class 54 Rating, Add</i>	43.50	
<i>For Class 55 Rating, Add</i>	96.69	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	953.44	229.57
<i>For Class 52 Rating, Deduct</i>	-66.62	
<i>For Class 54 Rating, Add</i>	45.42	
<i>For Class 55 Rating, Add</i>	100.95	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.08	232.25
<i>For Class 52 Rating, Deduct</i>	-69.43	
<i>For Class 54 Rating, Add</i>	47.34	
<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,012.73	234.91
<i>For Class 52 Rating, Deduct</i>	-72.25	
<i>For Class 54 Rating, Add</i>	49.26	
<i>For Class 55 Rating, Add</i>	109.49	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,042.37	237.59
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,072.02	240.25
			For Class 52 Rating, Deduct	-77.88	
			For Class 54 Rating, Add	53.10	
			For Class 55 Rating, Add	118.02	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.66	242.93
			For Class 52 Rating, Deduct	-80.70	
			For Class 54 Rating, Add	55.02	
			For Class 55 Rating, Add	122.29	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,131.31	245.59
			For Class 52 Rating, Deduct	-83.51	
			For Class 54 Rating, Add	56.94	
			For Class 55 Rating, Add	126.56	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,160.96	248.27
			For Class 52 Rating, Deduct	-86.33	
			For Class 54 Rating, Add	58.86	
			For Class 55 Rating, Add	130.83	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.60	250.93
			For Class 52 Rating, Deduct	-89.14	
			For Class 54 Rating, Add	60.78	
			For Class 55 Rating, Add	135.09	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,220.25	253.60
			For Class 52 Rating, Deduct	-91.96	
			For Class 54 Rating, Add	62.70	
			For Class 55 Rating, Add	139.36	
40 05 19 00-0068	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.89	256.27
			For Class 52 Rating, Deduct	-94.78	
			For Class 54 Rating, Add	64.62	
			For Class 55 Rating, Add	143.63	
40 05 19 00-0069	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,279.54	258.94
			For Class 52 Rating, Deduct	-97.59	
			For Class 54 Rating, Add	66.54	
			For Class 55 Rating, Add	147.90	
40 05 19 00-0070	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,309.18	261.61
			For Class 52 Rating, Deduct	-100.41	
			For Class 54 Rating, Add	68.46	
			For Class 55 Rating, Add	152.16	
40 05 19 00-0071	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,338.82	264.27
			For Class 52 Rating, Deduct	-103.22	
			For Class 54 Rating, Add	70.38	
			For Class 55 Rating, Add	156.43	
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,368.46	266.95
			For Class 52 Rating, Deduct	-106.04	
			For Class 54 Rating, Add	72.30	
			For Class 55 Rating, Add	160.70	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,398.11	269.61
			For Class 52 Rating, Deduct	-108.86	
			For Class 54 Rating, Add	74.22	
			For Class 55 Rating, Add	164.97	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,427.75	272.29
			For Class 52 Rating, Deduct	-111.67	
			For Class 54 Rating, Add	76.14	
			For Class 55 Rating, Add	169.23	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.40	274.95
			For Class 52 Rating, Deduct	-114.49	
			For Class 54 Rating, Add	78.06	
			For Class 55 Rating, Add	173.50	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.04	277.63
			For Class 52 Rating, Deduct	-117.30	
			For Class 54 Rating, Add	79.98	
			For Class 55 Rating, Add	177.77	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.69	280.29
			For Class 52 Rating, Deduct	-120.12	
			For Class 54 Rating, Add	81.90	
			For Class 55 Rating, Add	182.04	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,546.33	282.96
			For Class 52 Rating, Deduct	-122.94	
			For Class 54 Rating, Add	83.82	
			For Class 55 Rating, Add	186.30	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.98	285.63
			For Class 52 Rating, Deduct	-125.75	
			For Class 54 Rating, Add	85.74	
			For Class 55 Rating, Add	190.57	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.62	288.30
			For Class 52 Rating, Deduct	-128.57	
			For Class 54 Rating, Add	87.66	
			For Class 55 Rating, Add	194.84	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,635.27	290.97
			For Class 52 Rating, Deduct	-131.38	
			For Class 54 Rating, Add	89.58	
			For Class 55 Rating, Add	199.11	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,664.91	293.64
			For Class 52 Rating, Deduct	-134.20	
			For Class 54 Rating, Add	91.50	
			For Class 55 Rating, Add	203.37	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0083		8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.11	245.59
		<i>For Class 52 Rating, Deduct</i>	-40.04	
		<i>For Class 54 Rating, Add</i>	27.30	
		<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	775.36	248.27
		<i>For Class 52 Rating, Deduct</i>	-43.91	
		<i>For Class 54 Rating, Add</i>	29.94	
		<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	814.60	250.93
		<i>For Class 52 Rating, Deduct</i>	-47.78	
		<i>For Class 54 Rating, Add</i>	32.58	
		<i>For Class 55 Rating, Add</i>	72.41	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	853.85	253.60
		<i>For Class 52 Rating, Deduct</i>	-51.66	
		<i>For Class 54 Rating, Add</i>	35.22	
		<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	893.09	256.27
		<i>For Class 52 Rating, Deduct</i>	-55.53	
		<i>For Class 54 Rating, Add</i>	37.86	
		<i>For Class 55 Rating, Add</i>	84.15	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.34	258.94
		<i>For Class 52 Rating, Deduct</i>	-59.40	
		<i>For Class 54 Rating, Add</i>	40.50	
		<i>For Class 55 Rating, Add</i>	90.02	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.58	261.61
		<i>For Class 52 Rating, Deduct</i>	-63.27	
		<i>For Class 54 Rating, Add</i>	43.14	
		<i>For Class 55 Rating, Add</i>	95.89	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,010.82	264.27
		<i>For Class 52 Rating, Deduct</i>	-67.14	
		<i>For Class 54 Rating, Add</i>	45.78	
		<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.06	266.95
		<i>For Class 52 Rating, Deduct</i>	-71.02	
		<i>For Class 54 Rating, Add</i>	48.42	
		<i>For Class 55 Rating, Add</i>	107.62	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,089.31	269.61
		<i>For Class 52 Rating, Deduct</i>	-74.89	
		<i>For Class 54 Rating, Add</i>	51.06	
		<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.55	272.29
		<i>For Class 52 Rating, Deduct</i>	-78.76	
		<i>For Class 54 Rating, Add</i>	53.70	
		<i>For Class 55 Rating, Add</i>	119.36	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.80	274.95
		<i>For Class 52 Rating, Deduct</i>	-82.63	
		<i>For Class 54 Rating, Add</i>	56.34	
		<i>For Class 55 Rating, Add</i>	125.23	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,207.04	277.63
		<i>For Class 52 Rating, Deduct</i>	-86.50	
		<i>For Class 54 Rating, Add</i>	58.98	
		<i>For Class 55 Rating, Add</i>	131.09	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,246.29	280.29
		<i>For Class 52 Rating, Deduct</i>	-90.38	
		<i>For Class 54 Rating, Add</i>	61.62	
		<i>For Class 55 Rating, Add</i>	136.96	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.53	282.96
		<i>For Class 52 Rating, Deduct</i>	-94.25	
		<i>For Class 54 Rating, Add</i>	64.26	
		<i>For Class 55 Rating, Add</i>	142.83	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.78	285.63
		<i>For Class 52 Rating, Deduct</i>	-98.12	
		<i>For Class 54 Rating, Add</i>	66.90	
		<i>For Class 55 Rating, Add</i>	148.70	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,364.02	288.30
		<i>For Class 52 Rating, Deduct</i>	-101.99	
		<i>For Class 54 Rating, Add</i>	69.54	
		<i>For Class 55 Rating, Add</i>	154.56	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,403.27	290.97
		<i>For Class 52 Rating, Deduct</i>	-105.86	
		<i>For Class 54 Rating, Add</i>	72.18	
		<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,442.51	293.64
		<i>For Class 52 Rating, Deduct</i>	-109.74	
		<i>For Class 54 Rating, Add</i>	74.82	
		<i>For Class 55 Rating, Add</i>	166.30	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,481.76	296.31
		<i>For Class 52 Rating, Deduct</i>	-113.61	
		<i>For Class 54 Rating, Add</i>	77.46	
		<i>For Class 55 Rating, Add</i>	172.17	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.00	298.98
For Class 52 Rating, Deduct	-117.48	
For Class 54 Rating, Add	80.10	
For Class 55 Rating, Add	178.04	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,560.25	301.65
For Class 52 Rating, Deduct	-121.35	
For Class 54 Rating, Add	82.74	
For Class 55 Rating, Add	183.90	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.49	304.32
For Class 52 Rating, Deduct	-125.22	
For Class 54 Rating, Add	85.38	
For Class 55 Rating, Add	189.77	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,638.74	306.99
For Class 52 Rating, Deduct	-129.10	
For Class 54 Rating, Add	88.02	
For Class 55 Rating, Add	195.64	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,677.98	309.66
For Class 52 Rating, Deduct	-132.97	
For Class 54 Rating, Add	90.66	
For Class 55 Rating, Add	201.51	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,717.23	312.32
For Class 52 Rating, Deduct	-136.84	
For Class 54 Rating, Add	93.30	
For Class 55 Rating, Add	207.37	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,756.47	315.00
For Class 52 Rating, Deduct	-140.71	
For Class 54 Rating, Add	95.94	
For Class 55 Rating, Add	213.24	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.72	317.66
For Class 52 Rating, Deduct	-144.58	
For Class 54 Rating, Add	98.58	
For Class 55 Rating, Add	219.11	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,834.95	320.34
For Class 52 Rating, Deduct	-148.46	
For Class 54 Rating, Add	101.22	
For Class 55 Rating, Add	224.98	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.20	323.00
For Class 52 Rating, Deduct	-152.33	
For Class 54 Rating, Add	103.86	
For Class 55 Rating, Add	230.85	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,913.44	325.68
For Class 52 Rating, Deduct	-156.20	
For Class 54 Rating, Add	106.50	
For Class 55 Rating, Add	236.71	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,952.69	328.34
For Class 52 Rating, Deduct	-160.07	
For Class 54 Rating, Add	109.14	
For Class 55 Rating, Add	242.58	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,991.93	331.02
For Class 52 Rating, Deduct	-163.94	
For Class 54 Rating, Add	111.78	
For Class 55 Rating, Add	248.45	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,031.18	333.68
For Class 52 Rating, Deduct	-167.82	
For Class 54 Rating, Add	114.42	
For Class 55 Rating, Add	254.32	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.42	336.36
For Class 52 Rating, Deduct	-171.69	
For Class 54 Rating, Add	117.06	
For Class 55 Rating, Add	260.19	
40 05 19 00-0119 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,109.67	339.02
For Class 52 Rating, Deduct	-175.56	
For Class 54 Rating, Add	119.70	
For Class 55 Rating, Add	266.05	
40 05 19 00-0120 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,148.91	341.70
For Class 52 Rating, Deduct	-179.43	
For Class 54 Rating, Add	122.34	
For Class 55 Rating, Add	271.92	
40 05 19 00-0121 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.16	344.36
For Class 52 Rating, Deduct	-183.30	
For Class 54 Rating, Add	124.98	
For Class 55 Rating, Add	277.79	
40 05 19 00-0122 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,227.40	347.03
For Class 52 Rating, Deduct	-187.18	
For Class 54 Rating, Add	127.62	
For Class 55 Rating, Add	283.66	
40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0124 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	920.20	298.98
For Class 52 Rating, Deduct	-51.39	
For Class 54 Rating, Add	35.04	
For Class 55 Rating, Add	77.88	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	970.65	301.65
			<i>For Class 52 Rating, Deduct</i>	-56.50	
			<i>For Class 54 Rating, Add</i>	38.52	
			<i>For Class 55 Rating, Add</i>	85.62	
40 05 19 00-0126	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.09	304.32
			<i>For Class 52 Rating, Deduct</i>	-61.60	
			<i>For Class 54 Rating, Add</i>	42.00	
			<i>For Class 55 Rating, Add</i>	93.35	
40 05 19 00-0127	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.54	306.99
			<i>For Class 52 Rating, Deduct</i>	-66.70	
			<i>For Class 54 Rating, Add</i>	45.48	
			<i>For Class 55 Rating, Add</i>	101.09	
40 05 19 00-0128	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.98	309.66
			<i>For Class 52 Rating, Deduct</i>	-71.81	
			<i>For Class 54 Rating, Add</i>	48.96	
			<i>For Class 55 Rating, Add</i>	108.82	
40 05 19 00-0129	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,172.43	312.32
			<i>For Class 52 Rating, Deduct</i>	-76.91	
			<i>For Class 54 Rating, Add</i>	52.44	
			<i>For Class 55 Rating, Add</i>	116.56	
40 05 19 00-0130	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,222.87	315.00
			<i>For Class 52 Rating, Deduct</i>	-82.02	
			<i>For Class 54 Rating, Add</i>	55.92	
			<i>For Class 55 Rating, Add</i>	124.29	
40 05 19 00-0131	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,273.32	317.66
			<i>For Class 52 Rating, Deduct</i>	-87.12	
			<i>For Class 54 Rating, Add</i>	59.40	
			<i>For Class 55 Rating, Add</i>	132.03	
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,323.75	320.34
			<i>For Class 52 Rating, Deduct</i>	-92.22	
			<i>For Class 54 Rating, Add</i>	62.88	
			<i>For Class 55 Rating, Add</i>	139.76	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.20	323.00
			<i>For Class 52 Rating, Deduct</i>	-97.33	
			<i>For Class 54 Rating, Add</i>	66.36	
			<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.64	325.68
			<i>For Class 52 Rating, Deduct</i>	-102.43	
			<i>For Class 54 Rating, Add</i>	69.84	
			<i>For Class 55 Rating, Add</i>	155.23	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,475.09	328.34
			<i>For Class 52 Rating, Deduct</i>	-107.54	
			<i>For Class 54 Rating, Add</i>	73.32	
			<i>For Class 55 Rating, Add</i>	162.97	
40 05 19 00-0136	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,525.53	331.02
			<i>For Class 52 Rating, Deduct</i>	-112.64	
			<i>For Class 54 Rating, Add</i>	76.80	
			<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-0137	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,575.98	333.68
			<i>For Class 52 Rating, Deduct</i>	-117.74	
			<i>For Class 54 Rating, Add</i>	80.28	
			<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-0138	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,626.42	336.36
			<i>For Class 52 Rating, Deduct</i>	-122.85	
			<i>For Class 54 Rating, Add</i>	83.76	
			<i>For Class 55 Rating, Add</i>	186.17	
40 05 19 00-0139	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,676.87	339.02
			<i>For Class 52 Rating, Deduct</i>	-127.95	
			<i>For Class 54 Rating, Add</i>	87.24	
			<i>For Class 55 Rating, Add</i>	193.91	
40 05 19 00-0140	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.31	341.70
			<i>For Class 52 Rating, Deduct</i>	-133.06	
			<i>For Class 54 Rating, Add</i>	90.72	
			<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0141	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,777.76	344.36
			<i>For Class 52 Rating, Deduct</i>	-138.16	
			<i>For Class 54 Rating, Add</i>	94.20	
			<i>For Class 55 Rating, Add</i>	209.38	
40 05 19 00-0142	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,828.20	347.03
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0143	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.65	349.70
			<i>For Class 52 Rating, Deduct</i>	-148.37	
			<i>For Class 54 Rating, Add</i>	101.16	
			<i>For Class 55 Rating, Add</i>	224.84	
40 05 19 00-0144	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,929.09	352.37
			<i>For Class 52 Rating, Deduct</i>	-153.47	
			<i>For Class 54 Rating, Add</i>	104.64	
			<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-0145	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,979.54	355.04
			<i>For Class 52 Rating, Deduct</i>	-158.58	
			<i>For Class 54 Rating, Add</i>	108.12	
			<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,029.98	357.71
For Class 52 Rating, Deduct	-163.68	
For Class 54 Rating, Add	111.60	
For Class 55 Rating, Add	248.05	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,080.43	360.38
For Class 52 Rating, Deduct	-168.78	
For Class 54 Rating, Add	115.08	
For Class 55 Rating, Add	255.78	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,130.87	363.05
For Class 52 Rating, Deduct	-173.89	
For Class 54 Rating, Add	118.56	
For Class 55 Rating, Add	263.52	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,181.32	365.72
For Class 52 Rating, Deduct	-178.99	
For Class 54 Rating, Add	122.04	
For Class 55 Rating, Add	271.25	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,231.76	368.39
For Class 52 Rating, Deduct	-184.10	
For Class 54 Rating, Add	125.52	
For Class 55 Rating, Add	278.99	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,282.21	371.06
For Class 52 Rating, Deduct	-189.20	
For Class 54 Rating, Add	129.00	
For Class 55 Rating, Add	286.72	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.66	373.73
For Class 52 Rating, Deduct	-194.30	
For Class 54 Rating, Add	132.48	
For Class 55 Rating, Add	294.46	
40 05 19 00-0153 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,383.10	376.39
For Class 52 Rating, Deduct	-199.41	
For Class 54 Rating, Add	135.96	
For Class 55 Rating, Add	302.19	
40 05 19 00-0154 EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,433.54	379.07
For Class 52 Rating, Deduct	-204.51	
For Class 54 Rating, Add	139.44	
For Class 55 Rating, Add	309.93	
40 05 19 00-0155 EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,483.18	381.73
For Class 52 Rating, Deduct	-209.53	
For Class 54 Rating, Add	142.86	
For Class 55 Rating, Add	317.53	
40 05 19 00-0156 EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,534.43	384.41
For Class 52 Rating, Deduct	-214.72	
For Class 54 Rating, Add	146.40	
For Class 55 Rating, Add	325.40	
40 05 19 00-0157 EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,584.87	387.07
For Class 52 Rating, Deduct	-219.82	
For Class 54 Rating, Add	149.88	
For Class 55 Rating, Add	333.13	
40 05 19 00-0158 EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,635.32	389.75
For Class 52 Rating, Deduct	-224.93	
For Class 54 Rating, Add	153.36	
For Class 55 Rating, Add	340.87	
40 05 19 00-0159 EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,685.76	392.41
For Class 52 Rating, Deduct	-230.03	
For Class 54 Rating, Add	156.84	
For Class 55 Rating, Add	348.60	
40 05 19 00-0160 EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,736.21	395.08
For Class 52 Rating, Deduct	-235.14	
For Class 54 Rating, Add	160.32	
For Class 55 Rating, Add	356.34	
40 05 19 00-0161 EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.65	397.75
For Class 52 Rating, Deduct	-240.24	
For Class 54 Rating, Add	163.80	
For Class 55 Rating, Add	364.07	
40 05 19 00-0162 EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,837.10	400.42
For Class 52 Rating, Deduct	-245.34	
For Class 54 Rating, Add	167.28	
For Class 55 Rating, Add	371.81	
40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0164 EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.86	373.73
For Class 52 Rating, Deduct	-68.82	
For Class 54 Rating, Add	46.92	
For Class 55 Rating, Add	104.29	
40 05 19 00-0165 EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,254.30	376.39
For Class 52 Rating, Deduct	-75.24	
For Class 54 Rating, Add	51.30	
For Class 55 Rating, Add	114.02	
40 05 19 00-0166 EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.74	379.07
For Class 52 Rating, Deduct	-81.66	
For Class 54 Rating, Add	55.68	
For Class 55 Rating, Add	123.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167 EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,379.18	381.73
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-0168 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,441.63	384.41
<i>For Class 52 Rating, Deduct</i>	-94.51	
<i>For Class 54 Rating, Add</i>	64.44	
<i>For Class 55 Rating, Add</i>	143.23	
40 05 19 00-0169 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,504.07	387.07
<i>For Class 52 Rating, Deduct</i>	-100.94	
<i>For Class 54 Rating, Add</i>	68.82	
<i>For Class 55 Rating, Add</i>	152.96	
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,566.52	389.75
<i>For Class 52 Rating, Deduct</i>	-107.36	
<i>For Class 54 Rating, Add</i>	73.20	
<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,628.96	392.41
<i>For Class 52 Rating, Deduct</i>	-113.78	
<i>For Class 54 Rating, Add</i>	77.58	
<i>For Class 55 Rating, Add</i>	172.43	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,691.41	395.08
<i>For Class 52 Rating, Deduct</i>	-120.21	
<i>For Class 54 Rating, Add</i>	81.96	
<i>For Class 55 Rating, Add</i>	182.17	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,753.85	397.75
<i>For Class 52 Rating, Deduct</i>	-126.63	
<i>For Class 54 Rating, Add</i>	86.34	
<i>For Class 55 Rating, Add</i>	191.91	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,816.30	400.42
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.74	403.09
<i>For Class 52 Rating, Deduct</i>	-139.48	
<i>For Class 54 Rating, Add</i>	95.10	
<i>For Class 55 Rating, Add</i>	211.38	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.19	405.75
<i>For Class 52 Rating, Deduct</i>	-145.90	
<i>For Class 54 Rating, Add</i>	99.48	
<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,003.63	408.43
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.08	411.09
<i>For Class 52 Rating, Deduct</i>	-158.75	
<i>For Class 54 Rating, Add</i>	108.24	
<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.52	413.77
<i>For Class 52 Rating, Deduct</i>	-165.18	
<i>For Class 54 Rating, Add</i>	112.62	
<i>For Class 55 Rating, Add</i>	250.32	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.97	416.43
<i>For Class 52 Rating, Deduct</i>	-171.60	
<i>For Class 54 Rating, Add</i>	117.00	
<i>For Class 55 Rating, Add</i>	260.05	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,253.41	419.11
<i>For Class 52 Rating, Deduct</i>	-178.02	
<i>For Class 54 Rating, Add</i>	121.38	
<i>For Class 55 Rating, Add</i>	269.79	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,315.86	421.77
<i>For Class 52 Rating, Deduct</i>	-184.45	
<i>For Class 54 Rating, Add</i>	125.76	
<i>For Class 55 Rating, Add</i>	279.52	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.30	424.45
<i>For Class 52 Rating, Deduct</i>	-190.87	
<i>For Class 54 Rating, Add</i>	130.14	
<i>For Class 55 Rating, Add</i>	289.26	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,440.75	427.11
<i>For Class 52 Rating, Deduct</i>	-197.30	
<i>For Class 54 Rating, Add</i>	134.52	
<i>For Class 55 Rating, Add</i>	298.99	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,503.19	429.79
<i>For Class 52 Rating, Deduct</i>	-203.72	
<i>For Class 54 Rating, Add</i>	138.90	
<i>For Class 55 Rating, Add</i>	308.73	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,565.64	432.45
<i>For Class 52 Rating, Deduct</i>	-210.14	
<i>For Class 54 Rating, Add</i>	143.28	
<i>For Class 55 Rating, Add</i>	318.46	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,628.08	435.13
<i>For Class 52 Rating, Deduct</i>	-216.57	
<i>For Class 54 Rating, Add</i>	147.66	
<i>For Class 55 Rating, Add</i>	328.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,690.52	437.79
For Class 52 Rating, Deduct	-222.99	
For Class 54 Rating, Add	152.04	
For Class 55 Rating, Add	337.93	
40 05 19 00-0189 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.96	440.46
For Class 52 Rating, Deduct	-229.42	
For Class 54 Rating, Add	156.42	
For Class 55 Rating, Add	347.67	
40 05 19 00-0190 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.41	443.13
For Class 52 Rating, Deduct	-235.84	
For Class 54 Rating, Add	160.80	
For Class 55 Rating, Add	357.40	
40 05 19 00-0191 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,877.85	445.80
For Class 52 Rating, Deduct	-242.26	
For Class 54 Rating, Add	165.18	
For Class 55 Rating, Add	367.14	
40 05 19 00-0192 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.30	448.47
For Class 52 Rating, Deduct	-248.69	
For Class 54 Rating, Add	169.56	
For Class 55 Rating, Add	376.88	
40 05 19 00-0193 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,002.74	451.14
For Class 52 Rating, Deduct	-255.11	
For Class 54 Rating, Add	173.94	
For Class 55 Rating, Add	386.61	
40 05 19 00-0194 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.19	453.81
For Class 52 Rating, Deduct	-261.54	
For Class 54 Rating, Add	178.32	
For Class 55 Rating, Add	396.35	
40 05 19 00-0195 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,127.63	456.48
For Class 52 Rating, Deduct	-267.96	
For Class 54 Rating, Add	182.70	
For Class 55 Rating, Add	406.08	
40 05 19 00-0196 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,190.08	459.15
For Class 52 Rating, Deduct	-274.38	
For Class 54 Rating, Add	187.08	
For Class 55 Rating, Add	415.82	
40 05 19 00-0197 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,252.52	461.82
For Class 52 Rating, Deduct	-280.81	
For Class 54 Rating, Add	191.46	
For Class 55 Rating, Add	425.55	
40 05 19 00-0198 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.97	464.49
For Class 52 Rating, Deduct	-287.23	
For Class 54 Rating, Add	195.84	
For Class 55 Rating, Add	435.29	
40 05 19 00-0199 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,377.41	467.16
For Class 52 Rating, Deduct	-293.66	
For Class 54 Rating, Add	200.22	
For Class 55 Rating, Add	445.02	
40 05 19 00-0200 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.86	469.82
For Class 52 Rating, Deduct	-300.08	
For Class 54 Rating, Add	204.60	
For Class 55 Rating, Add	454.76	
40 05 19 00-0201 EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,502.30	472.50
For Class 52 Rating, Deduct	-306.50	
For Class 54 Rating, Add	208.98	
For Class 55 Rating, Add	464.49	
40 05 19 00-0202 EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,564.75	475.16
For Class 52 Rating, Deduct	-312.93	
For Class 54 Rating, Add	213.36	
For Class 55 Rating, Add	474.23	
40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,555.50	448.47
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.74	451.14
For Class 52 Rating, Deduct	-104.19	
For Class 54 Rating, Add	71.04	
For Class 55 Rating, Add	157.90	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.99	453.81
For Class 52 Rating, Deduct	-112.02	
For Class 54 Rating, Add	76.38	
For Class 55 Rating, Add	169.77	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,781.23	456.48
For Class 52 Rating, Deduct	-119.86	
For Class 54 Rating, Add	81.72	
For Class 55 Rating, Add	181.64	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.48	459.15
For Class 52 Rating, Deduct	-127.69	
For Class 54 Rating, Add	87.06	
For Class 55 Rating, Add	193.51	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,931.72	461.82
For Class 52 Rating, Deduct	-135.52	
For Class 54 Rating, Add	92.40	
For Class 55 Rating, Add	205.37	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,006.97	464.49
For Class 52 Rating, Deduct	-143.35	
For Class 54 Rating, Add	97.74	
For Class 55 Rating, Add	217.24	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,082.21	467.16
For Class 52 Rating, Deduct	-151.18	
For Class 54 Rating, Add	103.08	
For Class 55 Rating, Add	229.11	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,157.46	469.82
For Class 52 Rating, Deduct	-159.02	
For Class 54 Rating, Add	108.42	
For Class 55 Rating, Add	240.98	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.70	472.50
For Class 52 Rating, Deduct	-166.85	
For Class 54 Rating, Add	113.76	
For Class 55 Rating, Add	252.85	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,307.95	475.16
For Class 52 Rating, Deduct	-174.68	
For Class 54 Rating, Add	119.10	
For Class 55 Rating, Add	264.72	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,383.19	477.84
For Class 52 Rating, Deduct	-182.51	
For Class 54 Rating, Add	124.44	
For Class 55 Rating, Add	276.59	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,458.44	480.50
For Class 52 Rating, Deduct	-190.34	
For Class 54 Rating, Add	129.78	
For Class 55 Rating, Add	288.46	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,533.68	483.18
For Class 52 Rating, Deduct	-198.18	
For Class 54 Rating, Add	135.12	
For Class 55 Rating, Add	300.33	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,608.93	485.84
For Class 52 Rating, Deduct	-206.01	
For Class 54 Rating, Add	140.46	
For Class 55 Rating, Add	312.20	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,684.17	488.52
For Class 52 Rating, Deduct	-213.84	
For Class 54 Rating, Add	145.80	
For Class 55 Rating, Add	324.06	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,759.42	491.18
For Class 52 Rating, Deduct	-221.67	
For Class 54 Rating, Add	151.14	
For Class 55 Rating, Add	335.93	
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,834.66	493.86
For Class 52 Rating, Deduct	-229.50	
For Class 54 Rating, Add	156.48	
For Class 55 Rating, Add	347.80	
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,909.90	496.52
For Class 52 Rating, Deduct	-237.34	
For Class 54 Rating, Add	161.82	
For Class 55 Rating, Add	359.67	
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,985.15	499.19
For Class 52 Rating, Deduct	-245.17	
For Class 54 Rating, Add	167.16	
For Class 55 Rating, Add	371.54	
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.39	501.86
For Class 52 Rating, Deduct	-253.00	
For Class 54 Rating, Add	172.50	
For Class 55 Rating, Add	383.41	
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.64	504.53
For Class 52 Rating, Deduct	-260.83	
For Class 54 Rating, Add	177.84	
For Class 55 Rating, Add	395.28	
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.88	507.20
For Class 52 Rating, Deduct	-268.66	
For Class 54 Rating, Add	183.18	
For Class 55 Rating, Add	407.15	
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,286.13	509.87
For Class 52 Rating, Deduct	-276.50	
For Class 54 Rating, Add	188.52	
For Class 55 Rating, Add	419.02	
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,361.37	512.54
For Class 52 Rating, Deduct	-284.33	
For Class 54 Rating, Add	193.86	
For Class 55 Rating, Add	430.89	
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,436.62	515.21
For Class 52 Rating, Deduct	-292.16	
For Class 54 Rating, Add	199.20	
For Class 55 Rating, Add	442.76	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0230	EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,511.86	517.88
	<i>For Class 52 Rating, Deduct</i>	-299.99	
	<i>For Class 54 Rating, Add</i>	204.54	
	<i>For Class 55 Rating, Add</i>	454.62	
40 05 19 00-0231	EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,587.11	520.54
	<i>For Class 52 Rating, Deduct</i>	-307.82	
	<i>For Class 54 Rating, Add</i>	209.88	
	<i>For Class 55 Rating, Add</i>	466.49	
40 05 19 00-0232	EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,662.35	523.22
	<i>For Class 52 Rating, Deduct</i>	-315.66	
	<i>For Class 54 Rating, Add</i>	215.22	
	<i>For Class 55 Rating, Add</i>	478.36	
40 05 19 00-0233	EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,737.60	525.88
	<i>For Class 52 Rating, Deduct</i>	-323.49	
	<i>For Class 54 Rating, Add</i>	220.56	
	<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-0234	EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,812.84	528.56
	<i>For Class 52 Rating, Deduct</i>	-331.32	
	<i>For Class 54 Rating, Add</i>	225.90	
	<i>For Class 55 Rating, Add</i>	502.10	
40 05 19 00-0235	EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,888.09	531.22
	<i>For Class 52 Rating, Deduct</i>	-339.15	
	<i>For Class 54 Rating, Add</i>	231.24	
	<i>For Class 55 Rating, Add</i>	513.97	
40 05 19 00-0236	EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.33	533.89
	<i>For Class 52 Rating, Deduct</i>	-346.98	
	<i>For Class 54 Rating, Add</i>	236.58	
	<i>For Class 55 Rating, Add</i>	525.84	
40 05 19 00-0237	EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,038.58	536.56
	<i>For Class 52 Rating, Deduct</i>	-354.82	
	<i>For Class 54 Rating, Add</i>	241.92	
	<i>For Class 55 Rating, Add</i>	537.71	
40 05 19 00-0238	EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,113.82	539.23
	<i>For Class 52 Rating, Deduct</i>	-362.65	
	<i>For Class 54 Rating, Add</i>	247.26	
	<i>For Class 55 Rating, Add</i>	549.58	
40 05 19 00-0239	EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.07	541.90
	<i>For Class 52 Rating, Deduct</i>	-370.48	
	<i>For Class 54 Rating, Add</i>	252.60	
	<i>For Class 55 Rating, Add</i>	561.45	
40 05 19 00-0240	EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,264.31	544.57
	<i>For Class 52 Rating, Deduct</i>	-378.31	
	<i>For Class 54 Rating, Add</i>	257.94	
	<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-0241	EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.56	547.24
	<i>For Class 52 Rating, Deduct</i>	-386.14	
	<i>For Class 54 Rating, Add</i>	263.28	
	<i>For Class 55 Rating, Add</i>	585.18	
40 05 19 00-0242	16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243	EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,814.97	512.54
	<i>For Class 52 Rating, Deduct</i>	-114.22	
	<i>For Class 54 Rating, Add</i>	77.88	
	<i>For Class 55 Rating, Add</i>	173.10	
40 05 19 00-0244	EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,902.22	515.21
	<i>For Class 52 Rating, Deduct</i>	-123.38	
	<i>For Class 54 Rating, Add</i>	84.12	
	<i>For Class 55 Rating, Add</i>	186.97	
40 05 19 00-0245	EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.46	517.88
	<i>For Class 52 Rating, Deduct</i>	-132.53	
	<i>For Class 54 Rating, Add</i>	90.36	
	<i>For Class 55 Rating, Add</i>	200.84	
40 05 19 00-0246	EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.71	520.54
	<i>For Class 52 Rating, Deduct</i>	-141.68	
	<i>For Class 54 Rating, Add</i>	96.60	
	<i>For Class 55 Rating, Add</i>	214.71	
40 05 19 00-0247	EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,163.95	523.22
	<i>For Class 52 Rating, Deduct</i>	-150.83	
	<i>For Class 54 Rating, Add</i>	102.84	
	<i>For Class 55 Rating, Add</i>	228.58	
40 05 19 00-0248	EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,251.20	525.88
	<i>For Class 52 Rating, Deduct</i>	-159.98	
	<i>For Class 54 Rating, Add</i>	109.08	
	<i>For Class 55 Rating, Add</i>	242.45	
40 05 19 00-0249	EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,338.44	528.56
	<i>For Class 52 Rating, Deduct</i>	-169.14	
	<i>For Class 54 Rating, Add</i>	115.32	
	<i>For Class 55 Rating, Add</i>	256.32	
40 05 19 00-0250	EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,425.69	531.22
	<i>For Class 52 Rating, Deduct</i>	-178.29	
	<i>For Class 54 Rating, Add</i>	121.56	
	<i>For Class 55 Rating, Add</i>	270.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,512.93	533.89
For Class 52 Rating, Deduct	-187.44	
For Class 54 Rating, Add	127.80	
For Class 55 Rating, Add	284.06	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.18	536.56
For Class 52 Rating, Deduct	-196.59	
For Class 54 Rating, Add	134.04	
For Class 55 Rating, Add	297.93	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,687.42	539.23
For Class 52 Rating, Deduct	-205.74	
For Class 54 Rating, Add	140.28	
For Class 55 Rating, Add	311.80	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.67	541.90
For Class 52 Rating, Deduct	-214.90	
For Class 54 Rating, Add	146.52	
For Class 55 Rating, Add	325.67	
40 05 19 00-0255 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,861.91	544.57
For Class 52 Rating, Deduct	-224.05	
For Class 54 Rating, Add	152.76	
For Class 55 Rating, Add	339.53	
40 05 19 00-0256 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.16	547.24
For Class 52 Rating, Deduct	-233.20	
For Class 54 Rating, Add	159.00	
For Class 55 Rating, Add	353.40	
40 05 19 00-0257 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,036.40	549.91
For Class 52 Rating, Deduct	-242.35	
For Class 54 Rating, Add	165.24	
For Class 55 Rating, Add	367.27	
40 05 19 00-0258 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,123.64	552.58
For Class 52 Rating, Deduct	-251.50	
For Class 54 Rating, Add	171.48	
For Class 55 Rating, Add	381.14	
40 05 19 00-0259 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.88	555.25
For Class 52 Rating, Deduct	-260.66	
For Class 54 Rating, Add	177.72	
For Class 55 Rating, Add	395.01	
40 05 19 00-0260 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,298.13	557.92
For Class 52 Rating, Deduct	-269.81	
For Class 54 Rating, Add	183.96	
For Class 55 Rating, Add	408.88	
40 05 19 00-0261 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,385.37	560.59
For Class 52 Rating, Deduct	-278.96	
For Class 54 Rating, Add	190.20	
For Class 55 Rating, Add	422.75	
40 05 19 00-0262 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.62	563.25
For Class 52 Rating, Deduct	-288.11	
For Class 54 Rating, Add	196.44	
For Class 55 Rating, Add	436.62	
40 05 19 00-0263 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,559.86	565.93
For Class 52 Rating, Deduct	-297.26	
For Class 54 Rating, Add	202.68	
For Class 55 Rating, Add	450.49	
40 05 19 00-0264 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,647.11	568.59
For Class 52 Rating, Deduct	-306.42	
For Class 54 Rating, Add	208.92	
For Class 55 Rating, Add	464.36	
40 05 19 00-0265 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,734.35	571.27
For Class 52 Rating, Deduct	-315.57	
For Class 54 Rating, Add	215.16	
For Class 55 Rating, Add	478.23	
40 05 19 00-0266 EA 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.60	573.93
For Class 52 Rating, Deduct	-324.72	
For Class 54 Rating, Add	221.40	
For Class 55 Rating, Add	492.10	
40 05 19 00-0267 EA 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,908.84	576.61
For Class 52 Rating, Deduct	-333.87	
For Class 54 Rating, Add	227.64	
For Class 55 Rating, Add	505.97	
40 05 19 00-0268 EA 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.09	579.27
For Class 52 Rating, Deduct	-343.02	
For Class 54 Rating, Add	233.88	
For Class 55 Rating, Add	519.84	
40 05 19 00-0269 EA 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,083.33	581.95
For Class 52 Rating, Deduct	-352.18	
For Class 54 Rating, Add	240.12	
For Class 55 Rating, Add	533.71	
40 05 19 00-0270 EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,170.58	584.61
For Class 52 Rating, Deduct	-361.33	
For Class 54 Rating, Add	246.36	
For Class 55 Rating, Add	547.58	
40 05 19 00-0271 EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,257.82	587.29
For Class 52 Rating, Deduct	-370.48	
For Class 54 Rating, Add	252.60	
For Class 55 Rating, Add	561.45	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.07	589.95
			For Class 52 Rating, Deduct	-379.63	
			For Class 54 Rating, Add	258.84	
			For Class 55 Rating, Add	575.32	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,432.31	592.62
			For Class 52 Rating, Deduct	-388.78	
			For Class 54 Rating, Add	265.08	
			For Class 55 Rating, Add	589.18	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,519.56	595.29
			For Class 52 Rating, Deduct	-397.94	
			For Class 54 Rating, Add	271.32	
			For Class 55 Rating, Add	603.05	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,606.80	597.96
			For Class 52 Rating, Deduct	-407.09	
			For Class 54 Rating, Add	277.56	
			For Class 55 Rating, Add	616.92	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,694.05	600.63
			For Class 52 Rating, Deduct	-416.24	
			For Class 54 Rating, Add	283.80	
			For Class 55 Rating, Add	630.79	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,781.29	603.30
			For Class 52 Rating, Deduct	-425.39	
			For Class 54 Rating, Add	290.04	
			For Class 55 Rating, Add	644.66	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,868.54	605.97
			For Class 52 Rating, Deduct	-434.54	
			For Class 54 Rating, Add	296.28	
			For Class 55 Rating, Add	658.53	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,955.78	608.64
			For Class 52 Rating, Deduct	-443.70	
			For Class 54 Rating, Add	302.52	
			For Class 55 Rating, Add	672.40	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,043.02	611.31
			For Class 52 Rating, Deduct	-452.85	
			For Class 54 Rating, Add	308.76	
			For Class 55 Rating, Add	686.27	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<i>(40 05 19 00-0002)</i>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,099.26	577.68
			For Class 52 Rating, Deduct	-134.64	
			For Class 54 Rating, Add	91.80	
			For Class 55 Rating, Add	204.04	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.31	580.34
			For Class 52 Rating, Deduct	-145.20	
			For Class 54 Rating, Add	99.00	
			For Class 55 Rating, Add	220.04	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.35	583.02
			For Class 52 Rating, Deduct	-155.76	
			For Class 54 Rating, Add	106.20	
			For Class 55 Rating, Add	236.05	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.40	585.68
			For Class 52 Rating, Deduct	-166.32	
			For Class 54 Rating, Add	113.40	
			For Class 55 Rating, Add	252.05	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.44	588.36
			For Class 52 Rating, Deduct	-176.88	
			For Class 54 Rating, Add	120.60	
			For Class 55 Rating, Add	268.05	
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,599.49	591.02
			For Class 52 Rating, Deduct	-187.44	
			For Class 54 Rating, Add	127.80	
			For Class 55 Rating, Add	284.06	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,699.53	593.69
			For Class 52 Rating, Deduct	-198.00	
			For Class 54 Rating, Add	135.00	
			For Class 55 Rating, Add	300.06	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.58	596.36
			For Class 52 Rating, Deduct	-208.56	
			For Class 54 Rating, Add	142.20	
			For Class 55 Rating, Add	316.06	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,899.61	599.02
			For Class 52 Rating, Deduct	-219.12	
			For Class 54 Rating, Add	149.40	
			For Class 55 Rating, Add	332.07	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.66	601.70
			For Class 52 Rating, Deduct	-229.68	
			For Class 54 Rating, Add	156.60	
			For Class 55 Rating, Add	348.07	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,099.70	604.36
			For Class 52 Rating, Deduct	-240.24	
			For Class 54 Rating, Add	163.80	
			For Class 55 Rating, Add	364.07	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,199.75 -250.80 171.00 380.08	607.04
40 05 19 00-0294 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,299.79 -261.36 178.20 396.08	609.70
40 05 19 00-0295 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,399.84 -271.92 185.40 412.08	612.38
40 05 19 00-0296 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,499.88 -282.48 192.60 428.09	615.04
40 05 19 00-0297 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,599.93 -293.04 199.80 444.09	617.72
40 05 19 00-0298 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,699.98 -303.60 207.00 460.09	620.38
40 05 19 00-0299 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,800.02 -314.16 214.20 476.10	623.06
40 05 19 00-0300 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,900.07 -324.72 221.40 492.10	625.72
40 05 19 00-0301 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,000.11 -335.28 228.60 508.10	628.39
40 05 19 00-0302 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,100.16 -345.84 235.80 524.10	631.06
40 05 19 00-0303 EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,200.20 -356.40 243.00 540.11	633.73
40 05 19 00-0304 EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,300.25 -366.96 250.20 556.11	636.40
40 05 19 00-0305 EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,400.29 -377.52 257.40 572.11	639.07
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,500.34 -388.08 264.60 588.12	641.74
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,600.38 -398.64 271.80 604.12	644.41
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,700.43 -409.20 279.00 620.12	647.08
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,800.47 -419.76 286.20 636.13	649.75
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,900.52 -430.32 293.40 652.13	652.42
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,000.56 -440.88 300.60 668.13	655.09
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,100.60 -451.44 307.80 684.14	657.75
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,200.64 -462.00 315.00 700.14	660.43

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,300.69	663.09
			<i>For Class 52 Rating, Deduct</i>	-472.56	
			<i>For Class 54 Rating, Add</i>	322.20	
			<i>For Class 55 Rating, Add</i>	716.14	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,400.73	665.77
			<i>For Class 52 Rating, Deduct</i>	-483.12	
			<i>For Class 54 Rating, Add</i>	329.40	
			<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,500.78	668.43
			<i>For Class 52 Rating, Deduct</i>	-493.68	
			<i>For Class 54 Rating, Add</i>	336.60	
			<i>For Class 55 Rating, Add</i>	748.15	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,600.82	671.11
			<i>For Class 52 Rating, Deduct</i>	-504.24	
			<i>For Class 54 Rating, Add</i>	343.80	
			<i>For Class 55 Rating, Add</i>	764.15	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,700.87	673.77
			<i>For Class 52 Rating, Deduct</i>	-514.80	
			<i>For Class 54 Rating, Add</i>	351.00	
			<i>For Class 55 Rating, Add</i>	780.16	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,800.91	676.45
			<i>For Class 52 Rating, Deduct</i>	-525.36	
			<i>For Class 54 Rating, Add</i>	358.20	
			<i>For Class 55 Rating, Add</i>	796.16	
40 05 19 00-0320			20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,446.23	659.36
			<i>For Class 52 Rating, Deduct</i>	-159.19	
			<i>For Class 54 Rating, Add</i>	108.54	
			<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,560.68	662.02
			<i>For Class 52 Rating, Deduct</i>	-171.34	
			<i>For Class 54 Rating, Add</i>	116.82	
			<i>For Class 55 Rating, Add</i>	259.65	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,675.12	664.70
			<i>For Class 52 Rating, Deduct</i>	-183.48	
			<i>For Class 54 Rating, Add</i>	125.10	
			<i>For Class 55 Rating, Add</i>	278.06	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,789.57	667.36
			<i>For Class 52 Rating, Deduct</i>	-195.62	
			<i>For Class 54 Rating, Add</i>	133.38	
			<i>For Class 55 Rating, Add</i>	296.46	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,904.00	670.04
			<i>For Class 52 Rating, Deduct</i>	-207.77	
			<i>For Class 54 Rating, Add</i>	141.66	
			<i>For Class 55 Rating, Add</i>	314.86	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,018.45	672.70
			<i>For Class 52 Rating, Deduct</i>	-219.91	
			<i>For Class 54 Rating, Add</i>	149.94	
			<i>For Class 55 Rating, Add</i>	333.27	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,132.89	675.38
			<i>For Class 52 Rating, Deduct</i>	-232.06	
			<i>For Class 54 Rating, Add</i>	158.22	
			<i>For Class 55 Rating, Add</i>	351.67	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,247.34	678.04
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,361.78	680.72
			<i>For Class 52 Rating, Deduct</i>	-256.34	
			<i>For Class 54 Rating, Add</i>	174.78	
			<i>For Class 55 Rating, Add</i>	388.48	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,476.23	683.38
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,590.67	686.05
			<i>For Class 52 Rating, Deduct</i>	-280.63	
			<i>For Class 54 Rating, Add</i>	191.34	
			<i>For Class 55 Rating, Add</i>	425.29	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,705.12	688.72
			<i>For Class 52 Rating, Deduct</i>	-292.78	
			<i>For Class 54 Rating, Add</i>	199.62	
			<i>For Class 55 Rating, Add</i>	443.69	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,819.56	691.39
			<i>For Class 52 Rating, Deduct</i>	-304.92	
			<i>For Class 54 Rating, Add</i>	207.90	
			<i>For Class 55 Rating, Add</i>	462.09	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,934.01	694.06
			<i>For Class 52 Rating, Deduct</i>	-317.06	
			<i>For Class 54 Rating, Add</i>	216.18	
			<i>For Class 55 Rating, Add</i>	480.50	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335 EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,048.45	696.73
<i>For Class 52 Rating, Deduct</i>	-329.21	
<i>For Class 54 Rating, Add</i>	224.46	
<i>For Class 55 Rating, Add</i>	498.90	
40 05 19 00-0336 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,162.90	699.40
<i>For Class 52 Rating, Deduct</i>	-341.35	
<i>For Class 54 Rating, Add</i>	232.74	
<i>For Class 55 Rating, Add</i>	517.30	
40 05 19 00-0337 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.34	702.07
<i>For Class 52 Rating, Deduct</i>	-353.50	
<i>For Class 54 Rating, Add</i>	241.02	
<i>For Class 55 Rating, Add</i>	535.71	
40 05 19 00-0338 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,391.79	704.74
<i>For Class 52 Rating, Deduct</i>	-365.64	
<i>For Class 54 Rating, Add</i>	249.30	
<i>For Class 55 Rating, Add</i>	554.11	
40 05 19 00-0339 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,506.23	707.41
<i>For Class 52 Rating, Deduct</i>	-377.78	
<i>For Class 54 Rating, Add</i>	257.58	
<i>For Class 55 Rating, Add</i>	572.51	
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,620.68	710.08
<i>For Class 52 Rating, Deduct</i>	-389.93	
<i>For Class 54 Rating, Add</i>	265.86	
<i>For Class 55 Rating, Add</i>	590.92	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,735.12	712.75
<i>For Class 52 Rating, Deduct</i>	-402.07	
<i>For Class 54 Rating, Add</i>	274.14	
<i>For Class 55 Rating, Add</i>	609.32	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,849.57	715.42
<i>For Class 52 Rating, Deduct</i>	-414.22	
<i>For Class 54 Rating, Add</i>	282.42	
<i>For Class 55 Rating, Add</i>	627.73	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,964.01	718.09
<i>For Class 52 Rating, Deduct</i>	-426.36	
<i>For Class 54 Rating, Add</i>	290.70	
<i>For Class 55 Rating, Add</i>	646.13	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,078.46	720.75
<i>For Class 52 Rating, Deduct</i>	-438.50	
<i>For Class 54 Rating, Add</i>	298.98	
<i>For Class 55 Rating, Add</i>	664.53	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,192.90	723.43
<i>For Class 52 Rating, Deduct</i>	-450.65	
<i>For Class 54 Rating, Add</i>	307.26	
<i>For Class 55 Rating, Add</i>	682.94	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,307.35	726.09
<i>For Class 52 Rating, Deduct</i>	-462.79	
<i>For Class 54 Rating, Add</i>	315.54	
<i>For Class 55 Rating, Add</i>	701.34	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,421.78	728.77
<i>For Class 52 Rating, Deduct</i>	-474.94	
<i>For Class 54 Rating, Add</i>	323.82	
<i>For Class 55 Rating, Add</i>	719.74	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,536.23	731.43
<i>For Class 52 Rating, Deduct</i>	-487.08	
<i>For Class 54 Rating, Add</i>	332.10	
<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,650.67	734.11
<i>For Class 52 Rating, Deduct</i>	-499.22	
<i>For Class 54 Rating, Add</i>	340.38	
<i>For Class 55 Rating, Add</i>	756.55	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,765.12	736.77
<i>For Class 52 Rating, Deduct</i>	-511.37	
<i>For Class 54 Rating, Add</i>	348.66	
<i>For Class 55 Rating, Add</i>	774.95	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,879.57	739.45
<i>For Class 52 Rating, Deduct</i>	-523.51	
<i>For Class 54 Rating, Add</i>	356.94	
<i>For Class 55 Rating, Add</i>	793.36	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,994.01	742.11
<i>For Class 52 Rating, Deduct</i>	-535.66	
<i>For Class 54 Rating, Add</i>	365.22	
<i>For Class 55 Rating, Add</i>	811.76	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,108.46	744.79
<i>For Class 52 Rating, Deduct</i>	-547.80	
<i>For Class 54 Rating, Add</i>	373.50	
<i>For Class 55 Rating, Add</i>	830.17	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,222.90	747.45
<i>For Class 52 Rating, Deduct</i>	-559.94	
<i>For Class 54 Rating, Add</i>	381.78	
<i>For Class 55 Rating, Add</i>	848.57	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,337.35	750.12
<i>For Class 52 Rating, Deduct</i>	-572.09	
<i>For Class 54 Rating, Add</i>	390.06	
<i>For Class 55 Rating, Add</i>	866.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,451.79	752.79
For Class 52 Rating, Deduct	-584.23	
For Class 54 Rating, Add	398.34	
For Class 55 Rating, Add	885.38	
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,566.24	755.46
For Class 52 Rating, Deduct	-596.38	
For Class 54 Rating, Add	406.62	
For Class 55 Rating, Add	903.78	
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,680.68	758.13
For Class 52 Rating, Deduct	-608.52	
For Class 54 Rating, Add	414.90	
For Class 55 Rating, Add	922.18	
40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,987.44	779.48
For Class 52 Rating, Deduct	-198.70	
For Class 54 Rating, Add	135.48	
For Class 55 Rating, Add	301.13	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,128.29	782.15
For Class 52 Rating, Deduct	-213.75	
For Class 54 Rating, Add	145.74	
For Class 55 Rating, Add	323.93	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.12	784.82
For Class 52 Rating, Deduct	-228.80	
For Class 54 Rating, Add	156.00	
For Class 55 Rating, Add	346.74	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,409.97	787.49
For Class 52 Rating, Deduct	-243.85	
For Class 54 Rating, Add	166.26	
For Class 55 Rating, Add	369.54	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,550.81	790.16
For Class 52 Rating, Deduct	-258.90	
For Class 54 Rating, Add	176.52	
For Class 55 Rating, Add	392.35	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,691.66	792.83
For Class 52 Rating, Deduct	-273.94	
For Class 54 Rating, Add	186.78	
For Class 55 Rating, Add	415.15	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,832.50	795.50
For Class 52 Rating, Deduct	-288.99	
For Class 54 Rating, Add	197.04	
For Class 55 Rating, Add	437.95	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,973.35	798.17
For Class 52 Rating, Deduct	-304.04	
For Class 54 Rating, Add	207.30	
For Class 55 Rating, Add	460.76	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.19	800.84
For Class 52 Rating, Deduct	-319.09	
For Class 54 Rating, Add	217.56	
For Class 55 Rating, Add	483.56	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,255.04	803.51
For Class 52 Rating, Deduct	-334.14	
For Class 54 Rating, Add	227.82	
For Class 55 Rating, Add	506.37	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,395.88	806.18
For Class 52 Rating, Deduct	-349.18	
For Class 54 Rating, Add	238.08	
For Class 55 Rating, Add	529.17	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,536.73	808.85
For Class 52 Rating, Deduct	-364.23	
For Class 54 Rating, Add	248.34	
For Class 55 Rating, Add	551.98	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,677.57	811.52
For Class 52 Rating, Deduct	-379.28	
For Class 54 Rating, Add	258.60	
For Class 55 Rating, Add	574.78	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,818.42	814.18
For Class 52 Rating, Deduct	-394.33	
For Class 54 Rating, Add	268.86	
For Class 55 Rating, Add	597.59	
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,959.26	816.86
For Class 52 Rating, Deduct	-409.38	
For Class 54 Rating, Add	279.12	
For Class 55 Rating, Add	620.39	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,100.11	819.52
For Class 52 Rating, Deduct	-424.42	
For Class 54 Rating, Add	289.38	
For Class 55 Rating, Add	643.20	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,240.95	822.20
For Class 52 Rating, Deduct	-439.47	
For Class 54 Rating, Add	299.64	
For Class 55 Rating, Add	666.00	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,381.80	824.86
For Class 52 Rating, Deduct	-454.52	
For Class 54 Rating, Add	309.90	
For Class 55 Rating, Add	688.80	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,522.64	827.54
For Class 52 Rating, Deduct	-469.57	
For Class 54 Rating, Add	320.16	
For Class 55 Rating, Add	711.61	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,663.49	830.20
For Class 52 Rating, Deduct	-484.62	
For Class 54 Rating, Add	330.42	
For Class 55 Rating, Add	734.41	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,804.33	832.88
For Class 52 Rating, Deduct	-499.66	
For Class 54 Rating, Add	340.68	
For Class 55 Rating, Add	757.22	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,945.18	835.54
For Class 52 Rating, Deduct	-514.71	
For Class 54 Rating, Add	350.94	
For Class 55 Rating, Add	780.02	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,086.02	838.22
For Class 52 Rating, Deduct	-529.76	
For Class 54 Rating, Add	361.20	
For Class 55 Rating, Add	802.83	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,226.87	840.88
For Class 52 Rating, Deduct	-544.81	
For Class 54 Rating, Add	371.46	
For Class 55 Rating, Add	825.63	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,367.70	843.55
For Class 52 Rating, Deduct	-559.86	
For Class 54 Rating, Add	381.72	
For Class 55 Rating, Add	848.44	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,508.55	846.22
For Class 52 Rating, Deduct	-574.90	
For Class 54 Rating, Add	391.98	
For Class 55 Rating, Add	871.24	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,649.39	848.89
For Class 52 Rating, Deduct	-589.95	
For Class 54 Rating, Add	402.24	
For Class 55 Rating, Add	894.05	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,790.24	851.56
For Class 52 Rating, Deduct	-605.00	
For Class 54 Rating, Add	412.50	
For Class 55 Rating, Add	916.85	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,931.08	854.23
For Class 52 Rating, Deduct	-620.05	
For Class 54 Rating, Add	422.76	
For Class 55 Rating, Add	939.65	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,140.69	902.29
For Class 52 Rating, Deduct	-635.10	
For Class 54 Rating, Add	433.02	
For Class 55 Rating, Add	962.46	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,281.53	904.95
For Class 52 Rating, Deduct	-650.14	
For Class 54 Rating, Add	443.28	
For Class 55 Rating, Add	985.26	
40 05 19 00-0391 EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,422.38	907.61
For Class 52 Rating, Deduct	-665.19	
For Class 54 Rating, Add	453.54	
For Class 55 Rating, Add	1,008.07	
40 05 19 00-0392 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,563.22	910.29
For Class 52 Rating, Deduct	-680.24	
For Class 54 Rating, Add	463.80	
For Class 55 Rating, Add	1,030.87	
40 05 19 00-0393 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,704.07	912.95
For Class 52 Rating, Deduct	-695.29	
For Class 54 Rating, Add	474.06	
For Class 55 Rating, Add	1,053.68	
40 05 19 00-0394 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,844.91	915.63
For Class 52 Rating, Deduct	-710.34	
For Class 54 Rating, Add	484.32	
For Class 55 Rating, Add	1,076.48	
40 05 19 00-0395 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,985.76	918.29
For Class 52 Rating, Deduct	-725.38	
For Class 54 Rating, Add	494.58	
For Class 55 Rating, Add	1,099.29	
40 05 19 00-0396 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,126.60	920.97
For Class 52 Rating, Deduct	-740.43	
For Class 54 Rating, Add	504.84	
For Class 55 Rating, Add	1,122.09	
40 05 19 00-0397 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,267.45	923.63
For Class 52 Rating, Deduct	-755.48	
For Class 54 Rating, Add	515.10	
For Class 55 Rating, Add	1,144.90	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,538.39	1,099.82
For Class 52 Rating, Deduct	-315.92	
For Class 54 Rating, Add	215.40	
For Class 55 Rating, Add	478.76	
40 05 19 00-0400 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,740.04	1,102.49
For Class 52 Rating, Deduct	-337.66	
For Class 54 Rating, Add	230.22	
For Class 55 Rating, Add	511.70	
40 05 19 00-0401 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,941.68	1,105.16
For Class 52 Rating, Deduct	-359.39	
For Class 54 Rating, Add	245.04	
For Class 55 Rating, Add	544.64	
40 05 19 00-0402 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,143.33	1,107.83
For Class 52 Rating, Deduct	-381.13	
For Class 54 Rating, Add	259.86	
For Class 55 Rating, Add	577.58	
40 05 19 00-0403 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,344.97	1,110.50
For Class 52 Rating, Deduct	-402.86	
For Class 54 Rating, Add	274.68	
For Class 55 Rating, Add	610.52	
40 05 19 00-0404 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,546.62	1,113.17
For Class 52 Rating, Deduct	-424.60	
For Class 54 Rating, Add	289.50	
For Class 55 Rating, Add	643.46	
40 05 19 00-0405 EA 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,748.27	1,115.84
For Class 52 Rating, Deduct	-446.34	
For Class 54 Rating, Add	304.32	
For Class 55 Rating, Add	676.40	
40 05 19 00-0406 EA 30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,949.91	1,118.51
For Class 52 Rating, Deduct	-468.07	
For Class 54 Rating, Add	319.14	
For Class 55 Rating, Add	709.34	
40 05 19 00-0407 EA 30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,151.56	1,121.18
For Class 52 Rating, Deduct	-489.81	
For Class 54 Rating, Add	333.96	
For Class 55 Rating, Add	742.28	
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,353.20	1,123.84
For Class 52 Rating, Deduct	-511.54	
For Class 54 Rating, Add	348.78	
For Class 55 Rating, Add	775.22	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,554.85	1,126.52
For Class 52 Rating, Deduct	-533.28	
For Class 54 Rating, Add	363.60	
For Class 55 Rating, Add	808.16	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,756.49	1,129.18
For Class 52 Rating, Deduct	-555.02	
For Class 54 Rating, Add	378.42	
For Class 55 Rating, Add	841.10	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,958.14	1,131.86
For Class 52 Rating, Deduct	-576.75	
For Class 54 Rating, Add	393.24	
For Class 55 Rating, Add	874.04	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,159.77	1,134.52
For Class 52 Rating, Deduct	-598.49	
For Class 54 Rating, Add	408.06	
For Class 55 Rating, Add	906.98	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,361.42	1,137.20
For Class 52 Rating, Deduct	-620.22	
For Class 54 Rating, Add	422.88	
For Class 55 Rating, Add	939.92	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,563.06	1,139.86
For Class 52 Rating, Deduct	-641.96	
For Class 54 Rating, Add	437.70	
For Class 55 Rating, Add	972.86	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,764.71	1,142.54
For Class 52 Rating, Deduct	-663.70	
For Class 54 Rating, Add	452.52	
For Class 55 Rating, Add	1,005.80	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,966.35	1,145.20
For Class 52 Rating, Deduct	-685.43	
For Class 54 Rating, Add	467.34	
For Class 55 Rating, Add	1,038.74	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,168.00	1,147.88
For Class 52 Rating, Deduct	-707.17	
For Class 54 Rating, Add	482.16	
For Class 55 Rating, Add	1,071.68	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,369.64	1,150.54
For Class 52 Rating, Deduct	-728.90	
For Class 54 Rating, Add	496.98	
For Class 55 Rating, Add	1,104.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,571.29	1,153.21
<i>For Class 52 Rating, Deduct</i>	-750.64	
<i>For Class 54 Rating, Add</i>	511.80	
<i>For Class 55 Rating, Add</i>	1,137.56	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,772.93	1,155.88
<i>For Class 52 Rating, Deduct</i>	-772.38	
<i>For Class 54 Rating, Add</i>	526.62	
<i>For Class 55 Rating, Add</i>	1,170.50	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,974.58	1,158.55
<i>For Class 52 Rating, Deduct</i>	-794.11	
<i>For Class 54 Rating, Add</i>	541.44	
<i>For Class 55 Rating, Add</i>	1,203.44	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,176.22	1,161.22
<i>For Class 52 Rating, Deduct</i>	-815.85	
<i>For Class 54 Rating, Add</i>	556.26	
<i>For Class 55 Rating, Add</i>	1,236.38	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,377.07	1,163.89
<i>For Class 52 Rating, Deduct</i>	-837.50	
<i>For Class 54 Rating, Add</i>	571.02	
<i>For Class 55 Rating, Add</i>	1,269.19	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,579.51	1,166.56
<i>For Class 52 Rating, Deduct</i>	-859.32	
<i>For Class 54 Rating, Add</i>	585.90	
<i>For Class 55 Rating, Add</i>	1,302.26	
40 05 19 00-0425 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,781.16	1,169.22
<i>For Class 52 Rating, Deduct</i>	-881.06	
<i>For Class 54 Rating, Add</i>	600.72	
<i>For Class 55 Rating, Add</i>	1,335.20	
40 05 19 00-0426 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,982.80	1,171.90
<i>For Class 52 Rating, Deduct</i>	-902.79	
<i>For Class 54 Rating, Add</i>	615.54	
<i>For Class 55 Rating, Add</i>	1,368.14	
40 05 19 00-0427 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,184.45	1,174.56
<i>For Class 52 Rating, Deduct</i>	-924.53	
<i>For Class 54 Rating, Add</i>	630.36	
<i>For Class 55 Rating, Add</i>	1,401.08	
40 05 19 00-0428 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,386.09	1,177.24
<i>For Class 52 Rating, Deduct</i>	-946.26	
<i>For Class 54 Rating, Add</i>	645.18	
<i>For Class 55 Rating, Add</i>	1,434.02	
40 05 19 00-0429 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,587.74	1,179.90
<i>For Class 52 Rating, Deduct</i>	-968.00	
<i>For Class 54 Rating, Add</i>	660.00	
<i>For Class 55 Rating, Add</i>	1,466.96	
40 05 19 00-0430 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,789.38	1,182.58
<i>For Class 52 Rating, Deduct</i>	-989.74	
<i>For Class 54 Rating, Add</i>	674.82	
<i>For Class 55 Rating, Add</i>	1,499.90	
40 05 19 00-0431 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,991.03	1,185.24
<i>For Class 52 Rating, Deduct</i>	-1,011.47	
<i>For Class 54 Rating, Add</i>	689.64	
<i>For Class 55 Rating, Add</i>	1,532.84	
40 05 19 00-0432 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,192.67	1,187.91
<i>For Class 52 Rating, Deduct</i>	-1,033.21	
<i>For Class 54 Rating, Add</i>	704.46	
<i>For Class 55 Rating, Add</i>	1,565.78	
40 05 19 00-0433 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,394.32	1,190.58
<i>For Class 52 Rating, Deduct</i>	-1,054.94	
<i>For Class 54 Rating, Add</i>	719.28	
<i>For Class 55 Rating, Add</i>	1,598.72	
40 05 19 00-0434 EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,595.95	1,193.25
<i>For Class 52 Rating, Deduct</i>	-1,076.68	
<i>For Class 54 Rating, Add</i>	734.10	
<i>For Class 55 Rating, Add</i>	1,631.66	
40 05 19 00-0435 EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,797.60	1,195.92
<i>For Class 52 Rating, Deduct</i>	-1,098.42	
<i>For Class 54 Rating, Add</i>	748.92	
<i>For Class 55 Rating, Add</i>	1,664.60	
40 05 19 00-0436 EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,999.24	1,198.59
<i>For Class 52 Rating, Deduct</i>	-1,120.15	
<i>For Class 54 Rating, Add</i>	763.74	
<i>For Class 55 Rating, Add</i>	1,697.54	
40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,220.91	1,393.47
<i>For Class 52 Rating, Deduct</i>	-452.06	
<i>For Class 54 Rating, Add</i>	308.22	
<i>For Class 55 Rating, Add</i>	685.07	
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,493.75	1,396.13
<i>For Class 52 Rating, Deduct</i>	-481.62	
<i>For Class 54 Rating, Add</i>	328.38	
<i>For Class 55 Rating, Add</i>	729.88	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440 EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,766.60	1,398.81
For Class 52 Rating, Deduct	-511.19	
For Class 54 Rating, Add	348.54	
For Class 55 Rating, Add	774.69	
40 05 19 00-0441 EA 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,039.44	1,401.47
For Class 52 Rating, Deduct	-540.76	
For Class 54 Rating, Add	368.70	
For Class 55 Rating, Add	819.50	
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,312.29	1,404.14
For Class 52 Rating, Deduct	-570.33	
For Class 54 Rating, Add	388.86	
For Class 55 Rating, Add	864.31	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,585.13	1,406.81
For Class 52 Rating, Deduct	-599.90	
For Class 54 Rating, Add	409.02	
For Class 55 Rating, Add	909.12	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,857.98	1,409.48
For Class 52 Rating, Deduct	-629.46	
For Class 54 Rating, Add	429.18	
For Class 55 Rating, Add	953.92	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,130.82	1,412.15
For Class 52 Rating, Deduct	-659.03	
For Class 54 Rating, Add	449.34	
For Class 55 Rating, Add	998.73	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,403.67	1,414.82
For Class 52 Rating, Deduct	-688.60	
For Class 54 Rating, Add	469.50	
For Class 55 Rating, Add	1,043.54	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,676.51	1,417.49
For Class 52 Rating, Deduct	-718.17	
For Class 54 Rating, Add	489.66	
For Class 55 Rating, Add	1,088.35	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,949.36	1,420.16
For Class 52 Rating, Deduct	-747.74	
For Class 54 Rating, Add	509.82	
For Class 55 Rating, Add	1,133.16	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,222.20	1,422.83
For Class 52 Rating, Deduct	-777.30	
For Class 54 Rating, Add	529.98	
For Class 55 Rating, Add	1,177.97	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,495.04	1,425.50
For Class 52 Rating, Deduct	-806.87	
For Class 54 Rating, Add	550.14	
For Class 55 Rating, Add	1,222.78	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,767.88	1,428.17
For Class 52 Rating, Deduct	-836.44	
For Class 54 Rating, Add	570.30	
For Class 55 Rating, Add	1,267.59	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,040.73	1,430.83
For Class 52 Rating, Deduct	-866.01	
For Class 54 Rating, Add	590.46	
For Class 55 Rating, Add	1,312.40	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,313.57	1,433.50
For Class 52 Rating, Deduct	-895.58	
For Class 54 Rating, Add	610.62	
For Class 55 Rating, Add	1,357.20	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,586.42	1,436.17
For Class 52 Rating, Deduct	-925.14	
For Class 54 Rating, Add	630.78	
For Class 55 Rating, Add	1,402.01	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,859.26	1,438.84
For Class 52 Rating, Deduct	-954.71	
For Class 54 Rating, Add	650.94	
For Class 55 Rating, Add	1,446.82	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,132.11	1,441.51
For Class 52 Rating, Deduct	-984.28	
For Class 54 Rating, Add	671.10	
For Class 55 Rating, Add	1,491.63	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,404.95	1,444.18
For Class 52 Rating, Deduct	-1,013.85	
For Class 54 Rating, Add	691.26	
For Class 55 Rating, Add	1,536.44	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,677.80	1,446.85
For Class 52 Rating, Deduct	-1,043.42	
For Class 54 Rating, Add	711.42	
For Class 55 Rating, Add	1,581.25	
40 05 19 00-0459 EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,950.64	1,449.52
For Class 52 Rating, Deduct	-1,072.98	
For Class 54 Rating, Add	731.58	
For Class 55 Rating, Add	1,626.06	
40 05 19 00-0460 EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,223.49	1,452.19
For Class 52 Rating, Deduct	-1,102.55	
For Class 54 Rating, Add	751.74	
For Class 55 Rating, Add	1,670.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,496.33 -1,132.12 771.90 1,715.68	1,454.86
40 05 19 00-0462 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	12,769.18 -1,161.69 792.06 1,760.49	1,457.53
40 05 19 00-0463 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,042.02 -1,191.26 812.22 1,805.29	1,460.20
40 05 19 00-0464 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,314.87 -1,220.82 832.38 1,850.10	1,462.87
40 05 19 00-0465 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,587.71 -1,250.39 852.54 1,894.91	1,465.54
40 05 19 00-0466 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	13,860.56 -1,279.96 872.70 1,939.72	1,468.20
40 05 19 00-0467 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,133.40 -1,309.53 892.86 1,984.53	1,470.88
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,406.25 -1,339.10 913.02 2,029.34	1,473.54
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,679.09 -1,368.66 933.18 2,074.15	1,476.22
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	14,951.94 -1,398.23 953.34 2,118.96	1,478.88
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	15,224.79 -1,427.80 973.50 2,163.77	1,481.56
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	15,497.62 -1,457.37 993.66 2,208.57	1,484.22
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	15,770.47 -1,486.94 1,013.82 2,253.38	1,486.90
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	16,043.31 -1,516.50 1,033.98 2,298.19	1,489.56
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	16,316.16 -1,546.07 1,054.14 2,343.00	1,492.24
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	8,143.78 -603.06 411.18 913.92	1,756.51
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	8,549.43 -647.24 441.30 980.86	1,759.18
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	8,950.27 -690.89 471.06 1,047.01	1,761.85
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,355.12 -734.98 501.12 1,113.82	1,764.52
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	9,755.96 -778.62 530.88 1,179.97	1,767.19

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482 EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,161.61	1,769.86
For Class 52 Rating, Deduct	-822.80	
For Class 54 Rating, Add	561.00	
For Class 55 Rating, Add	1,246.92	
40 05 19 00-0483 EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,561.65	1,772.53
For Class 52 Rating, Deduct	-866.36	
For Class 54 Rating, Add	590.70	
For Class 55 Rating, Add	1,312.93	
40 05 19 00-0484 EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,967.29	1,775.20
For Class 52 Rating, Deduct	-910.54	
For Class 54 Rating, Add	620.82	
For Class 55 Rating, Add	1,379.88	
40 05 19 00-0485 EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,368.13	1,777.86
For Class 52 Rating, Deduct	-954.18	
For Class 54 Rating, Add	650.58	
For Class 55 Rating, Add	1,446.02	
40 05 19 00-0486 EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,772.98	1,780.54
For Class 52 Rating, Deduct	-998.27	
For Class 54 Rating, Add	680.64	
For Class 55 Rating, Add	1,512.84	
40 05 19 00-0487 EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,173.82	1,783.20
For Class 52 Rating, Deduct	-1,041.92	
For Class 54 Rating, Add	710.40	
For Class 55 Rating, Add	1,578.98	
40 05 19 00-0488 EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,578.67	1,785.88
For Class 52 Rating, Deduct	-1,086.01	
For Class 54 Rating, Add	740.46	
For Class 55 Rating, Add	1,645.80	
40 05 19 00-0489 EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,979.51	1,788.54
For Class 52 Rating, Deduct	-1,129.66	
For Class 54 Rating, Add	770.22	
For Class 55 Rating, Add	1,711.94	
40 05 19 00-0490 EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,381.16	1,791.22
For Class 52 Rating, Deduct	-1,173.39	
For Class 54 Rating, Add	800.04	
For Class 55 Rating, Add	1,778.22	
40 05 19 00-0491 EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,785.20	1,793.88
For Class 52 Rating, Deduct	-1,217.39	
For Class 54 Rating, Add	830.04	
For Class 55 Rating, Add	1,844.90	
40 05 19 00-0492 EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,186.05	1,796.56
For Class 52 Rating, Deduct	-1,261.04	
For Class 54 Rating, Add	859.80	
For Class 55 Rating, Add	1,911.05	
40 05 19 00-0493 EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,591.69	1,799.22
For Class 52 Rating, Deduct	-1,305.22	
For Class 54 Rating, Add	889.92	
For Class 55 Rating, Add	1,978.00	
40 05 19 00-0494 EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,992.54	1,801.90
For Class 52 Rating, Deduct	-1,348.86	
For Class 54 Rating, Add	919.68	
For Class 55 Rating, Add	2,044.14	
40 05 19 00-0495 EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,397.38	1,804.56
For Class 52 Rating, Deduct	-1,392.95	
For Class 54 Rating, Add	949.74	
For Class 55 Rating, Add	2,110.96	
40 05 19 00-0496 EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,798.23	1,807.23
For Class 52 Rating, Deduct	-1,436.60	
For Class 54 Rating, Add	979.50	
For Class 55 Rating, Add	2,177.10	
40 05 19 00-0497 EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,203.87	1,809.90
For Class 52 Rating, Deduct	-1,480.78	
For Class 54 Rating, Add	1,009.62	
For Class 55 Rating, Add	2,244.05	
40 05 19 00-0498 EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,604.72	1,812.56
For Class 52 Rating, Deduct	-1,524.42	
For Class 54 Rating, Add	1,039.38	
For Class 55 Rating, Add	2,310.20	
40 05 19 00-0499 EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,009.56	1,815.24
For Class 52 Rating, Deduct	-1,568.51	
For Class 54 Rating, Add	1,069.44	
For Class 55 Rating, Add	2,377.01	
40 05 19 00-0500 EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,410.41	1,817.90
For Class 52 Rating, Deduct	-1,612.16	
For Class 54 Rating, Add	1,099.20	
For Class 55 Rating, Add	2,443.16	
40 05 19 00-0501 EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,816.05	1,820.58
For Class 52 Rating, Deduct	-1,656.34	
For Class 54 Rating, Add	1,129.32	
For Class 55 Rating, Add	2,510.10	
40 05 19 00-0502 EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,216.90	1,823.24
For Class 52 Rating, Deduct	-1,699.98	
For Class 54 Rating, Add	1,159.08	
For Class 55 Rating, Add	2,576.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,620.94	1,825.92
For Class 52 Rating, Deduct	-1,743.98	
For Class 54 Rating, Add	1,189.08	
For Class 55 Rating, Add	2,642.93	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,022.59	1,828.58
For Class 52 Rating, Deduct	-1,787.72	
For Class 54 Rating, Add	1,218.90	
For Class 55 Rating, Add	2,709.21	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,343.42	1,831.26
For Class 52 Rating, Deduct	-1,822.57	
For Class 54 Rating, Add	1,242.66	
For Class 55 Rating, Add	2,762.02	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,828.27	1,833.92
For Class 52 Rating, Deduct	-1,875.46	
For Class 54 Rating, Add	1,278.72	
For Class 55 Rating, Add	2,842.17	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,229.11	1,836.60
For Class 52 Rating, Deduct	-1,919.10	
For Class 54 Rating, Add	1,308.48	
For Class 55 Rating, Add	2,908.31	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,633.96	1,839.26
For Class 52 Rating, Deduct	-1,963.19	
For Class 54 Rating, Add	1,338.54	
For Class 55 Rating, Add	2,975.13	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,034.80	1,841.93
For Class 52 Rating, Deduct	-2,006.84	
For Class 54 Rating, Add	1,368.30	
For Class 55 Rating, Add	3,041.27	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,440.45	1,844.60
For Class 52 Rating, Deduct	-2,051.02	
For Class 54 Rating, Add	1,398.42	
For Class 55 Rating, Add	3,108.22	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,840.49	1,847.27
For Class 52 Rating, Deduct	-2,094.58	
For Class 54 Rating, Add	1,428.12	
For Class 55 Rating, Add	3,174.23	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,246.14	1,849.94
For Class 52 Rating, Deduct	-2,138.75	
For Class 54 Rating, Add	1,458.24	
For Class 55 Rating, Add	3,241.18	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,646.99	1,852.61
For Class 52 Rating, Deduct	-2,182.40	
For Class 54 Rating, Add	1,488.00	
For Class 55 Rating, Add	3,307.33	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,051.83	1,855.28
For Class 52 Rating, Deduct	-2,226.49	
For Class 54 Rating, Add	1,518.06	
For Class 55 Rating, Add	3,374.14	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,218.52	2,207.65
For Class 52 Rating, Deduct	-756.10	
For Class 54 Rating, Add	515.52	
For Class 55 Rating, Add	1,145.83	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,807.37	2,210.32
For Class 52 Rating, Deduct	-820.42	
For Class 54 Rating, Add	559.38	
For Class 55 Rating, Add	1,243.32	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,395.41	2,212.99
For Class 52 Rating, Deduct	-884.66	
For Class 54 Rating, Add	603.18	
For Class 55 Rating, Add	1,340.67	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,988.26	2,215.65
For Class 52 Rating, Deduct	-949.43	
For Class 54 Rating, Add	647.34	
For Class 55 Rating, Add	1,438.82	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,577.10	2,218.33
For Class 52 Rating, Deduct	-1,013.76	
For Class 54 Rating, Add	691.20	
For Class 55 Rating, Add	1,536.31	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,165.95	2,220.99
For Class 52 Rating, Deduct	-1,078.09	
For Class 54 Rating, Add	735.06	
For Class 55 Rating, Add	1,633.79	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,758.00	2,223.67
For Class 52 Rating, Deduct	-1,142.77	
For Class 54 Rating, Add	779.16	
For Class 55 Rating, Add	1,731.81	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,347.64	2,226.33
For Class 52 Rating, Deduct	-1,207.18	
For Class 54 Rating, Add	823.08	
For Class 55 Rating, Add	1,829.43	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,935.69	2,229.01
For Class 52 Rating, Deduct	-1,271.42	
For Class 54 Rating, Add	866.88	
For Class 55 Rating, Add	1,926.79	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,528.53	2,231.67
For Class 52 Rating, Deduct	-1,336.19	
For Class 54 Rating, Add	911.04	
For Class 55 Rating, Add	2,024.94	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,117.38	2,234.35
For Class 52 Rating, Deduct	-1,400.52	
For Class 54 Rating, Add	954.90	
For Class 55 Rating, Add	2,122.42	
40 05 19 00-0527 EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,710.22	2,237.01
For Class 52 Rating, Deduct	-1,465.29	
For Class 54 Rating, Add	999.06	
For Class 55 Rating, Add	2,220.58	
40 05 19 00-0528 EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,298.26	2,239.69
For Class 52 Rating, Deduct	-1,529.53	
For Class 54 Rating, Add	1,042.86	
For Class 55 Rating, Add	2,317.93	
40 05 19 00-0529 EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,887.10	2,242.35
For Class 52 Rating, Deduct	-1,593.86	
For Class 54 Rating, Add	1,086.72	
For Class 55 Rating, Add	2,415.42	
40 05 19 00-0530 EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,479.95	2,245.02
For Class 52 Rating, Deduct	-1,658.62	
For Class 54 Rating, Add	1,130.88	
For Class 55 Rating, Add	2,513.57	
40 05 19 00-0531 EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,068.79	2,247.69
For Class 52 Rating, Deduct	-1,722.95	
For Class 54 Rating, Add	1,174.74	
For Class 55 Rating, Add	2,611.06	
40 05 19 00-0532 EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,656.84	2,250.36
For Class 52 Rating, Deduct	-1,787.19	
For Class 54 Rating, Add	1,218.54	
For Class 55 Rating, Add	2,708.41	
40 05 19 00-0533 EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,249.68	2,253.03
For Class 52 Rating, Deduct	-1,851.96	
For Class 54 Rating, Add	1,262.70	
For Class 55 Rating, Add	2,806.56	
40 05 19 00-0534 EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,838.53	2,255.70
For Class 52 Rating, Deduct	-1,916.29	
For Class 54 Rating, Add	1,306.56	
For Class 55 Rating, Add	2,904.05	
40 05 19 00-0535 EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,426.57	2,258.37
For Class 52 Rating, Deduct	-1,980.53	
For Class 54 Rating, Add	1,350.36	
For Class 55 Rating, Add	3,001.40	
40 05 19 00-0536 EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,019.42	2,261.04
For Class 52 Rating, Deduct	-2,045.30	
For Class 54 Rating, Add	1,394.52	
For Class 55 Rating, Add	3,099.55	
40 05 19 00-0537 EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,609.06	2,263.71
For Class 52 Rating, Deduct	-2,109.71	
For Class 54 Rating, Add	1,438.44	
For Class 55 Rating, Add	3,197.17	
40 05 19 00-0538 EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,197.11	2,266.38
For Class 52 Rating, Deduct	-2,173.95	
For Class 54 Rating, Add	1,482.24	
For Class 55 Rating, Add	3,294.53	
40 05 19 00-0539 EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,789.95	2,269.05
For Class 52 Rating, Deduct	-2,238.72	
For Class 54 Rating, Add	1,526.40	
For Class 55 Rating, Add	3,392.68	
40 05 19 00-0540 EA 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,378.80	2,271.72
For Class 52 Rating, Deduct	-2,303.05	
For Class 54 Rating, Add	1,570.26	
For Class 55 Rating, Add	3,490.16	
40 05 19 00-0541 EA 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,966.84	2,274.38
For Class 52 Rating, Deduct	-2,367.29	
For Class 54 Rating, Add	1,614.06	
For Class 55 Rating, Add	3,587.52	
40 05 19 00-0542 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,559.69	2,277.06
For Class 52 Rating, Deduct	-2,432.06	
For Class 54 Rating, Add	1,658.22	
For Class 55 Rating, Add	3,685.67	
40 05 19 00-0543 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,148.53	2,279.72
For Class 52 Rating, Deduct	-2,496.38	
For Class 54 Rating, Add	1,702.08	
For Class 55 Rating, Add	3,783.16	
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,665.38	2,282.40
For Class 52 Rating, Deduct	-2,552.79	
For Class 54 Rating, Add	1,740.54	
For Class 55 Rating, Add	3,868.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,330.22	2,285.06
<i>For Class 52 Rating, Deduct</i>	-2,625.48	
<i>For Class 54 Rating, Add</i>	1,790.10	
<i>For Class 55 Rating, Add</i>	3,978.80	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,918.27	2,287.74
<i>For Class 52 Rating, Deduct</i>	-2,689.72	
<i>For Class 54 Rating, Add</i>	1,833.90	
<i>For Class 55 Rating, Add</i>	4,076.15	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,511.91	2,290.40
<i>For Class 52 Rating, Deduct</i>	-2,754.58	
<i>For Class 54 Rating, Add</i>	1,878.12	
<i>For Class 55 Rating, Add</i>	4,174.43	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,099.96	2,293.08
<i>For Class 52 Rating, Deduct</i>	-2,818.82	
<i>For Class 54 Rating, Add</i>	1,921.92	
<i>For Class 55 Rating, Add</i>	4,271.79	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,688.00	2,295.74
<i>For Class 52 Rating, Deduct</i>	-2,883.06	
<i>For Class 54 Rating, Add</i>	1,965.72	
<i>For Class 55 Rating, Add</i>	4,369.14	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,281.64	2,298.42
<i>For Class 52 Rating, Deduct</i>	-2,947.91	
<i>For Class 54 Rating, Add</i>	2,009.94	
<i>For Class 55 Rating, Add</i>	4,467.43	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,869.68	2,301.08
<i>For Class 52 Rating, Deduct</i>	-3,012.15	
<i>For Class 54 Rating, Add</i>	2,053.74	
<i>For Class 55 Rating, Add</i>	4,564.78	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,458.53	2,303.76
<i>For Class 52 Rating, Deduct</i>	-3,076.48	
<i>For Class 54 Rating, Add</i>	2,097.60	
<i>For Class 55 Rating, Add</i>	4,662.27	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,051.37	2,306.42
<i>For Class 52 Rating, Deduct</i>	-3,141.25	
<i>For Class 54 Rating, Add</i>	2,141.76	
<i>For Class 55 Rating, Add</i>	4,760.42	
 40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	321.09	122.16
<i>For Class 52 Rating, Deduct</i>	-14.96	
<i>For Class 54 Rating, Add</i>	10.20	
<i>For Class 55 Rating, Add</i>	22.67	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	345.12	124.30
<i>For Class 52 Rating, Deduct</i>	-17.25	
<i>For Class 54 Rating, Add</i>	11.76	
<i>For Class 55 Rating, Add</i>	26.14	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	369.16	126.43
<i>For Class 52 Rating, Deduct</i>	-19.54	
<i>For Class 54 Rating, Add</i>	13.32	
<i>For Class 55 Rating, Add</i>	29.61	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	393.19	128.56
<i>For Class 52 Rating, Deduct</i>	-21.82	
<i>For Class 54 Rating, Add</i>	14.88	
<i>For Class 55 Rating, Add</i>	33.07	
40 05 19 00-0560 EA 4" Flanged x Grooved (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	417.23	130.69
<i>For Class 52 Rating, Deduct</i>	-24.11	
<i>For Class 54 Rating, Add</i>	16.44	
<i>For Class 55 Rating, Add</i>	36.54	
40 05 19 00-0561 EA 4" Flanged x Grooved (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	441.26	132.83
<i>For Class 52 Rating, Deduct</i>	-26.40	
<i>For Class 54 Rating, Add</i>	18.00	
<i>For Class 55 Rating, Add</i>	40.01	
40 05 19 00-0562 EA 4" Flanged x Grooved (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	465.30	134.97
<i>For Class 52 Rating, Deduct</i>	-28.69	
<i>For Class 54 Rating, Add</i>	19.56	
<i>For Class 55 Rating, Add</i>	43.48	
40 05 19 00-0563 EA 4" Flanged x Grooved (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	489.34	137.10
<i>For Class 52 Rating, Deduct</i>	-30.98	
<i>For Class 54 Rating, Add</i>	21.12	
<i>For Class 55 Rating, Add</i>	46.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	513.37	139.24
			For Class 52 Rating, Deduct	-33.26	
			For Class 54 Rating, Add	22.68	
			For Class 55 Rating, Add	50.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	537.41	141.37
			For Class 52 Rating, Deduct	-35.55	
			For Class 54 Rating, Add	24.24	
			For Class 55 Rating, Add	53.88	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	561.44	143.51
			For Class 52 Rating, Deduct	-37.84	
			For Class 54 Rating, Add	25.80	
			For Class 55 Rating, Add	57.34	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	585.48	145.65
			For Class 52 Rating, Deduct	-40.13	
			For Class 54 Rating, Add	27.36	
			For Class 55 Rating, Add	60.81	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	609.51	147.78
			For Class 52 Rating, Deduct	-42.42	
			For Class 54 Rating, Add	28.92	
			For Class 55 Rating, Add	64.28	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	633.55	149.92
			For Class 52 Rating, Deduct	-44.70	
			For Class 54 Rating, Add	30.48	
			For Class 55 Rating, Add	67.75	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	657.58	152.05
			For Class 52 Rating, Deduct	-46.99	
			For Class 54 Rating, Add	32.04	
			For Class 55 Rating, Add	71.21	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	681.62	154.19
			For Class 52 Rating, Deduct	-49.28	
			For Class 54 Rating, Add	33.60	
			For Class 55 Rating, Add	74.68	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	705.66	156.33
			For Class 52 Rating, Deduct	-51.57	
			For Class 54 Rating, Add	35.16	
			For Class 55 Rating, Add	78.15	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	729.69	158.46
			For Class 52 Rating, Deduct	-53.86	
			For Class 54 Rating, Add	36.72	
			For Class 55 Rating, Add	81.62	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	753.73	160.60
			For Class 52 Rating, Deduct	-56.14	
			For Class 54 Rating, Add	38.28	
			For Class 55 Rating, Add	85.08	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	777.76	162.73
			For Class 52 Rating, Deduct	-58.43	
			For Class 54 Rating, Add	39.84	
			For Class 55 Rating, Add	88.55	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	801.80	164.87
			For Class 52 Rating, Deduct	-60.72	
			For Class 54 Rating, Add	41.40	
			For Class 55 Rating, Add	92.02	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	825.83	167.00
			For Class 52 Rating, Deduct	-63.01	
			For Class 54 Rating, Add	42.96	
			For Class 55 Rating, Add	95.49	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	849.87	169.14
			For Class 52 Rating, Deduct	-65.30	
			For Class 54 Rating, Add	44.52	
			For Class 55 Rating, Add	98.95	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	873.91	171.28
			For Class 52 Rating, Deduct	-67.58	
			For Class 54 Rating, Add	46.08	
			For Class 55 Rating, Add	102.42	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	897.94	173.41
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.89	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	921.98	175.55
<i>For Class 52 Rating, Deduct</i>	-72.16	
<i>For Class 54 Rating, Add</i>	49.20	
<i>For Class 55 Rating, Add</i>	109.36	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	946.01	177.68
<i>For Class 52 Rating, Deduct</i>	-74.45	
<i>For Class 54 Rating, Add</i>	50.76	
<i>For Class 55 Rating, Add</i>	112.82	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	970.05	179.82
<i>For Class 52 Rating, Deduct</i>	-76.74	
<i>For Class 54 Rating, Add</i>	52.32	
<i>For Class 55 Rating, Add</i>	116.29	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	994.08	181.96
<i>For Class 52 Rating, Deduct</i>	-79.02	
<i>For Class 54 Rating, Add</i>	53.88	
<i>For Class 55 Rating, Add</i>	119.76	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,018.12	184.09
<i>For Class 52 Rating, Deduct</i>	-81.31	
<i>For Class 54 Rating, Add</i>	55.44	
<i>For Class 55 Rating, Add</i>	123.22	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,042.16	186.23
<i>For Class 52 Rating, Deduct</i>	-83.60	
<i>For Class 54 Rating, Add</i>	57.00	
<i>For Class 55 Rating, Add</i>	126.69	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.19	188.36
<i>For Class 52 Rating, Deduct</i>	-85.89	
<i>For Class 54 Rating, Add</i>	58.56	
<i>For Class 55 Rating, Add</i>	130.16	
40 05 19 00-0588 EA 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,090.23	190.49
<i>For Class 52 Rating, Deduct</i>	-88.18	
<i>For Class 54 Rating, Add</i>	60.12	
<i>For Class 55 Rating, Add</i>	133.63	
40 05 19 00-0589 EA 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.26	192.63
<i>For Class 52 Rating, Deduct</i>	-90.46	
<i>For Class 54 Rating, Add</i>	61.68	
<i>For Class 55 Rating, Add</i>	137.09	
40 05 19 00-0590 EA 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,138.30	194.76
<i>For Class 52 Rating, Deduct</i>	-92.75	
<i>For Class 54 Rating, Add</i>	63.24	
<i>For Class 55 Rating, Add</i>	140.56	
40 05 19 00-0591 EA 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,162.33	196.90
<i>For Class 52 Rating, Deduct</i>	-95.04	
<i>For Class 54 Rating, Add</i>	64.80	
<i>For Class 55 Rating, Add</i>	144.03	
40 05 19 00-0592 EA 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.37	199.03
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0593 EA 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.40	201.17
<i>For Class 52 Rating, Deduct</i>	-99.62	
<i>For Class 54 Rating, Add</i>	67.92	
<i>For Class 55 Rating, Add</i>	150.96	
40 05 19 00-0594 EA 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,234.44	203.31
<i>For Class 52 Rating, Deduct</i>	-101.90	
<i>For Class 54 Rating, Add</i>	69.48	
<i>For Class 55 Rating, Add</i>	154.43	
40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0554)</small>		
40 05 19 00-0596 EA 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	401.78	153.77
<i>For Class 52 Rating, Deduct</i>	-18.57	
<i>For Class 54 Rating, Add</i>	12.66	
<i>For Class 55 Rating, Add</i>	28.14	
40 05 19 00-0597 EA 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	430.61	155.90
<i>For Class 52 Rating, Deduct</i>	-21.38	
<i>For Class 54 Rating, Add</i>	14.58	
<i>For Class 55 Rating, Add</i>	32.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	459.45	158.03
			<i>For Class 52 Rating, Deduct</i>	-24.20	
			<i>For Class 54 Rating, Add</i>	16.50	
			<i>For Class 55 Rating, Add</i>	36.67	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	488.28	160.16
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	517.12	162.30
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	545.95	164.44
			<i>For Class 52 Rating, Deduct</i>	-32.65	
			<i>For Class 54 Rating, Add</i>	22.26	
			<i>For Class 55 Rating, Add</i>	49.48	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	574.79	166.57
			<i>For Class 52 Rating, Deduct</i>	-35.46	
			<i>For Class 54 Rating, Add</i>	24.18	
			<i>For Class 55 Rating, Add</i>	53.74	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	603.63	168.71
			<i>For Class 52 Rating, Deduct</i>	-38.28	
			<i>For Class 54 Rating, Add</i>	26.10	
			<i>For Class 55 Rating, Add</i>	58.01	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	632.46	170.84
			<i>For Class 52 Rating, Deduct</i>	-41.10	
			<i>For Class 54 Rating, Add</i>	28.02	
			<i>For Class 55 Rating, Add</i>	62.28	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	661.30	172.98
			<i>For Class 52 Rating, Deduct</i>	-43.91	
			<i>For Class 54 Rating, Add</i>	29.94	
			<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	690.13	175.12
			<i>For Class 52 Rating, Deduct</i>	-46.73	
			<i>For Class 54 Rating, Add</i>	31.86	
			<i>For Class 55 Rating, Add</i>	70.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	718.97	177.25
			<i>For Class 52 Rating, Deduct</i>	-49.54	
			<i>For Class 54 Rating, Add</i>	33.78	
			<i>For Class 55 Rating, Add</i>	75.08	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	747.80	179.39
			<i>For Class 52 Rating, Deduct</i>	-52.36	
			<i>For Class 54 Rating, Add</i>	35.70	
			<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	776.64	181.52
			<i>For Class 52 Rating, Deduct</i>	-55.18	
			<i>For Class 54 Rating, Add</i>	37.62	
			<i>For Class 55 Rating, Add</i>	83.62	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	805.47	183.66
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	834.31	185.79
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	863.15	187.93
			<i>For Class 52 Rating, Deduct</i>	-63.62	
			<i>For Class 54 Rating, Add</i>	43.38	
			<i>For Class 55 Rating, Add</i>	96.42	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	891.98	190.07
			<i>For Class 52 Rating, Deduct</i>	-66.44	
			<i>For Class 54 Rating, Add</i>	45.30	
			<i>For Class 55 Rating, Add</i>	100.69	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	920.82	192.20
			<i>For Class 52 Rating, Deduct</i>	-69.26	
			<i>For Class 54 Rating, Add</i>	47.22	
			<i>For Class 55 Rating, Add</i>	104.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.65	194.34
<i>For Class 52 Rating, Deduct</i>	-72.07	
<i>For Class 54 Rating, Add</i>	49.14	
<i>For Class 55 Rating, Add</i>	109.22	
40 05 19 00-0616 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	978.49	196.47
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0617 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.32	198.61
<i>For Class 52 Rating, Deduct</i>	-77.70	
<i>For Class 54 Rating, Add</i>	52.98	
<i>For Class 55 Rating, Add</i>	117.76	
40 05 19 00-0618 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.16	200.75
<i>For Class 52 Rating, Deduct</i>	-80.52	
<i>For Class 54 Rating, Add</i>	54.90	
<i>For Class 55 Rating, Add</i>	122.02	
40 05 19 00-0619 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,065.00	202.88
<i>For Class 52 Rating, Deduct</i>	-83.34	
<i>For Class 54 Rating, Add</i>	56.82	
<i>For Class 55 Rating, Add</i>	126.29	
40 05 19 00-0620 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,093.83	205.02
<i>For Class 52 Rating, Deduct</i>	-86.15	
<i>For Class 54 Rating, Add</i>	58.74	
<i>For Class 55 Rating, Add</i>	130.56	
40 05 19 00-0621 EA 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,122.67	207.15
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-0622 EA 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.50	209.29
<i>For Class 52 Rating, Deduct</i>	-91.78	
<i>For Class 54 Rating, Add</i>	62.58	
<i>For Class 55 Rating, Add</i>	139.09	
40 05 19 00-0623 EA 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,180.34	211.43
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0624 EA 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,209.17	213.56
<i>For Class 52 Rating, Deduct</i>	-97.42	
<i>For Class 54 Rating, Add</i>	66.42	
<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-0625 EA 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.01	215.70
<i>For Class 52 Rating, Deduct</i>	-100.23	
<i>For Class 54 Rating, Add</i>	68.34	
<i>For Class 55 Rating, Add</i>	151.90	
40 05 19 00-0626 EA 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,266.84	217.82
<i>For Class 52 Rating, Deduct</i>	-103.05	
<i>For Class 54 Rating, Add</i>	70.26	
<i>For Class 55 Rating, Add</i>	156.16	
40 05 19 00-0627 EA 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.68	219.96
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0628 EA 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.52	222.10
<i>For Class 52 Rating, Deduct</i>	-108.68	
<i>For Class 54 Rating, Add</i>	74.10	
<i>For Class 55 Rating, Add</i>	164.70	
40 05 19 00-0629 EA 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.35	224.23
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,382.19	226.37
<i>For Class 52 Rating, Deduct</i>	-114.31	
<i>For Class 54 Rating, Add</i>	77.94	
<i>For Class 55 Rating, Add</i>	173.23	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,411.02	228.50
<i>For Class 52 Rating, Deduct</i>	-117.13	
<i>For Class 54 Rating, Add</i>	79.86	
<i>For Class 55 Rating, Add</i>	177.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,439.86	230.64
			<i>For Class 52 Rating, Deduct</i>	-119.94	
			<i>For Class 54 Rating, Add</i>	81.78	
			<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,468.69	232.78
			<i>For Class 52 Rating, Deduct</i>	-122.76	
			<i>For Class 54 Rating, Add</i>	83.70	
			<i>For Class 55 Rating, Add</i>	186.04	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,497.53	234.91
			<i>For Class 52 Rating, Deduct</i>	-125.58	
			<i>For Class 54 Rating, Add</i>	85.62	
			<i>For Class 55 Rating, Add</i>	190.30	
40 05 19 00-0635			8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	544.09	196.47
			<i>For Class 52 Rating, Deduct</i>	-27.10	
			<i>For Class 54 Rating, Add</i>	18.48	
			<i>For Class 55 Rating, Add</i>	41.07	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	582.52	198.61
			<i>For Class 52 Rating, Deduct</i>	-30.98	
			<i>For Class 54 Rating, Add</i>	21.12	
			<i>For Class 55 Rating, Add</i>	46.94	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	620.96	200.75
			<i>For Class 52 Rating, Deduct</i>	-34.85	
			<i>For Class 54 Rating, Add</i>	23.76	
			<i>For Class 55 Rating, Add</i>	52.81	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	659.40	202.88
			<i>For Class 52 Rating, Deduct</i>	-38.72	
			<i>For Class 54 Rating, Add</i>	26.40	
			<i>For Class 55 Rating, Add</i>	58.68	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	697.83	205.02
			<i>For Class 52 Rating, Deduct</i>	-42.59	
			<i>For Class 54 Rating, Add</i>	29.04	
			<i>For Class 55 Rating, Add</i>	64.55	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	736.27	207.15
			<i>For Class 52 Rating, Deduct</i>	-46.46	
			<i>For Class 54 Rating, Add</i>	31.68	
			<i>For Class 55 Rating, Add</i>	70.41	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	774.70	209.29
			<i>For Class 52 Rating, Deduct</i>	-50.34	
			<i>For Class 54 Rating, Add</i>	34.32	
			<i>For Class 55 Rating, Add</i>	76.28	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	813.14	211.43
			<i>For Class 52 Rating, Deduct</i>	-54.21	
			<i>For Class 54 Rating, Add</i>	36.96	
			<i>For Class 55 Rating, Add</i>	82.15	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	851.57	213.56
			<i>For Class 52 Rating, Deduct</i>	-58.08	
			<i>For Class 54 Rating, Add</i>	39.60	
			<i>For Class 55 Rating, Add</i>	88.02	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	890.01	215.70
			<i>For Class 52 Rating, Deduct</i>	-61.95	
			<i>For Class 54 Rating, Add</i>	42.24	
			<i>For Class 55 Rating, Add</i>	93.89	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	928.44	217.82
			<i>For Class 52 Rating, Deduct</i>	-65.82	
			<i>For Class 54 Rating, Add</i>	44.88	
			<i>For Class 55 Rating, Add</i>	99.75	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	966.88	219.96
			<i>For Class 52 Rating, Deduct</i>	-69.70	
			<i>For Class 54 Rating, Add</i>	47.52	
			<i>For Class 55 Rating, Add</i>	105.62	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,005.32	222.10
			<i>For Class 52 Rating, Deduct</i>	-73.57	
			<i>For Class 54 Rating, Add</i>	50.16	
			<i>For Class 55 Rating, Add</i>	111.49	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649 EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.75	224.23
<i>For Class 52 Rating, Deduct</i>	-77.44	
<i>For Class 54 Rating, Add</i>	52.80	
<i>For Class 55 Rating, Add</i>	117.36	
40 05 19 00-0650 EA 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,082.19	226.37
<i>For Class 52 Rating, Deduct</i>	-81.31	
<i>For Class 54 Rating, Add</i>	55.44	
<i>For Class 55 Rating, Add</i>	123.22	
40 05 19 00-0651 EA 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,120.62	228.50
<i>For Class 52 Rating, Deduct</i>	-85.18	
<i>For Class 54 Rating, Add</i>	58.08	
<i>For Class 55 Rating, Add</i>	129.09	
40 05 19 00-0652 EA 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,159.06	230.64
<i>For Class 52 Rating, Deduct</i>	-89.06	
<i>For Class 54 Rating, Add</i>	60.72	
<i>For Class 55 Rating, Add</i>	134.96	
40 05 19 00-0653 EA 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,197.49	232.78
<i>For Class 52 Rating, Deduct</i>	-92.93	
<i>For Class 54 Rating, Add</i>	63.36	
<i>For Class 55 Rating, Add</i>	140.83	
40 05 19 00-0654 EA 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.93	234.91
<i>For Class 52 Rating, Deduct</i>	-96.80	
<i>For Class 54 Rating, Add</i>	66.00	
<i>For Class 55 Rating, Add</i>	146.70	
40 05 19 00-0655 EA 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,274.37	237.05
<i>For Class 52 Rating, Deduct</i>	-100.67	
<i>For Class 54 Rating, Add</i>	68.64	
<i>For Class 55 Rating, Add</i>	152.56	
40 05 19 00-0656 EA 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,312.80	239.18
<i>For Class 52 Rating, Deduct</i>	-104.54	
<i>For Class 54 Rating, Add</i>	71.28	
<i>For Class 55 Rating, Add</i>	158.43	
40 05 19 00-0657 EA 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.24	241.32
<i>For Class 52 Rating, Deduct</i>	-108.42	
<i>For Class 54 Rating, Add</i>	73.92	
<i>For Class 55 Rating, Add</i>	164.30	
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,389.67	243.45
<i>For Class 52 Rating, Deduct</i>	-112.29	
<i>For Class 54 Rating, Add</i>	76.56	
<i>For Class 55 Rating, Add</i>	170.17	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.11	245.59
<i>For Class 52 Rating, Deduct</i>	-116.16	
<i>For Class 54 Rating, Add</i>	79.20	
<i>For Class 55 Rating, Add</i>	176.04	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.54	247.73
<i>For Class 52 Rating, Deduct</i>	-120.03	
<i>For Class 54 Rating, Add</i>	81.84	
<i>For Class 55 Rating, Add</i>	181.90	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,504.98	249.86
<i>For Class 52 Rating, Deduct</i>	-123.90	
<i>For Class 54 Rating, Add</i>	84.48	
<i>For Class 55 Rating, Add</i>	187.77	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.41	252.00
<i>For Class 52 Rating, Deduct</i>	-127.78	
<i>For Class 54 Rating, Add</i>	87.12	
<i>For Class 55 Rating, Add</i>	193.64	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,581.85	254.13
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.29	256.27
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,658.72	258.41
<i>For Class 52 Rating, Deduct</i>	-139.39	
<i>For Class 54 Rating, Add</i>	95.04	
<i>For Class 55 Rating, Add</i>	211.24	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,697.16	260.54
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,735.59	262.68
			<i>For Class 52 Rating, Deduct</i>	-147.14	
			<i>For Class 54 Rating, Add</i>	100.32	
			<i>For Class 55 Rating, Add</i>	222.98	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,774.03	264.81
			<i>For Class 52 Rating, Deduct</i>	-151.01	
			<i>For Class 54 Rating, Add</i>	102.96	
			<i>For Class 55 Rating, Add</i>	228.85	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,812.46	266.95
			<i>For Class 52 Rating, Deduct</i>	-154.88	
			<i>For Class 54 Rating, Add</i>	105.60	
			<i>For Class 55 Rating, Add</i>	234.71	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,850.90	269.09
			<i>For Class 52 Rating, Deduct</i>	-158.75	
			<i>For Class 54 Rating, Add</i>	108.24	
			<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,889.34	271.22
			<i>For Class 52 Rating, Deduct</i>	-162.62	
			<i>For Class 54 Rating, Add</i>	110.88	
			<i>For Class 55 Rating, Add</i>	246.45	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,927.77	273.36
			<i>For Class 52 Rating, Deduct</i>	-166.50	
			<i>For Class 54 Rating, Add</i>	113.52	
			<i>For Class 55 Rating, Add</i>	252.32	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,966.21	275.49
			<i>For Class 52 Rating, Deduct</i>	-170.37	
			<i>For Class 54 Rating, Add</i>	116.16	
			<i>For Class 55 Rating, Add</i>	258.18	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,004.64	277.63
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	677.60	239.18
			<i>For Class 52 Rating, Deduct</i>	-34.67	
			<i>For Class 54 Rating, Add</i>	23.64	
			<i>For Class 55 Rating, Add</i>	52.54	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	727.24	241.32
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	776.87	243.45
			<i>For Class 52 Rating, Deduct</i>	-44.88	
			<i>For Class 54 Rating, Add</i>	30.60	
			<i>For Class 55 Rating, Add</i>	68.01	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	826.51	245.59
			<i>For Class 52 Rating, Deduct</i>	-49.98	
			<i>For Class 54 Rating, Add</i>	34.08	
			<i>For Class 55 Rating, Add</i>	75.75	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	876.14	247.73
			<i>For Class 52 Rating, Deduct</i>	-55.09	
			<i>For Class 54 Rating, Add</i>	37.56	
			<i>For Class 55 Rating, Add</i>	83.48	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	925.78	249.86
			<i>For Class 52 Rating, Deduct</i>	-60.19	
			<i>For Class 54 Rating, Add</i>	41.04	
			<i>For Class 55 Rating, Add</i>	91.22	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	975.41	252.00
			<i>For Class 52 Rating, Deduct</i>	-65.30	
			<i>For Class 54 Rating, Add</i>	44.52	
			<i>For Class 55 Rating, Add</i>	98.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683 EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,025.05	254.13
<i>For Class 52 Rating, Deduct</i>	-70.40	
<i>For Class 54 Rating, Add</i>	48.00	
<i>For Class 55 Rating, Add</i>	106.69	
40 05 19 00-0684 EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.69	256.27
<i>For Class 52 Rating, Deduct</i>	-75.50	
<i>For Class 54 Rating, Add</i>	51.48	
<i>For Class 55 Rating, Add</i>	114.42	
40 05 19 00-0685 EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.32	258.41
<i>For Class 52 Rating, Deduct</i>	-80.61	
<i>For Class 54 Rating, Add</i>	54.96	
<i>For Class 55 Rating, Add</i>	122.16	
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,173.96	260.54
<i>For Class 52 Rating, Deduct</i>	-85.71	
<i>For Class 54 Rating, Add</i>	58.44	
<i>For Class 55 Rating, Add</i>	129.89	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.59	262.68
<i>For Class 52 Rating, Deduct</i>	-90.82	
<i>For Class 54 Rating, Add</i>	61.92	
<i>For Class 55 Rating, Add</i>	137.63	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,273.23	264.81
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.86	266.95
<i>For Class 52 Rating, Deduct</i>	-101.02	
<i>For Class 54 Rating, Add</i>	68.88	
<i>For Class 55 Rating, Add</i>	153.10	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,372.50	269.09
<i>For Class 52 Rating, Deduct</i>	-106.13	
<i>For Class 54 Rating, Add</i>	72.36	
<i>For Class 55 Rating, Add</i>	160.83	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.14	271.22
<i>For Class 52 Rating, Deduct</i>	-111.23	
<i>For Class 54 Rating, Add</i>	75.84	
<i>For Class 55 Rating, Add</i>	168.57	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,471.77	273.36
<i>For Class 52 Rating, Deduct</i>	-116.34	
<i>For Class 54 Rating, Add</i>	79.32	
<i>For Class 55 Rating, Add</i>	176.30	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.41	275.49
<i>For Class 52 Rating, Deduct</i>	-121.44	
<i>For Class 54 Rating, Add</i>	82.80	
<i>For Class 55 Rating, Add</i>	184.04	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,571.04	277.63
<i>For Class 52 Rating, Deduct</i>	-126.54	
<i>For Class 54 Rating, Add</i>	86.28	
<i>For Class 55 Rating, Add</i>	191.77	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.68	279.77
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.31	281.89
<i>For Class 52 Rating, Deduct</i>	-136.75	
<i>For Class 54 Rating, Add</i>	93.24	
<i>For Class 55 Rating, Add</i>	207.24	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,719.95	284.03
<i>For Class 52 Rating, Deduct</i>	-141.86	
<i>For Class 54 Rating, Add</i>	96.72	
<i>For Class 55 Rating, Add</i>	214.98	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.58	286.16
<i>For Class 52 Rating, Deduct</i>	-146.96	
<i>For Class 54 Rating, Add</i>	100.20	
<i>For Class 55 Rating, Add</i>	222.71	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,819.22	288.30
<i>For Class 52 Rating, Deduct</i>	-152.06	
<i>For Class 54 Rating, Add</i>	103.68	
<i>For Class 55 Rating, Add</i>	230.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,868.86	290.43
			For Class 52 Rating, Deduct	-157.17	
			For Class 54 Rating, Add	107.16	
			For Class 55 Rating, Add	238.18	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,918.49	292.57
			For Class 52 Rating, Deduct	-162.27	
			For Class 54 Rating, Add	110.64	
			For Class 55 Rating, Add	245.92	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,968.13	294.71
			For Class 52 Rating, Deduct	-167.38	
			For Class 54 Rating, Add	114.12	
			For Class 55 Rating, Add	253.65	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,017.76	296.84
			For Class 52 Rating, Deduct	-172.48	
			For Class 54 Rating, Add	117.60	
			For Class 55 Rating, Add	261.39	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,067.40	298.98
			For Class 52 Rating, Deduct	-177.58	
			For Class 54 Rating, Add	121.08	
			For Class 55 Rating, Add	269.12	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,117.03	301.11
			For Class 52 Rating, Deduct	-182.69	
			For Class 54 Rating, Add	124.56	
			For Class 55 Rating, Add	276.86	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,166.67	303.25
			For Class 52 Rating, Deduct	-187.79	
			For Class 54 Rating, Add	128.04	
			For Class 55 Rating, Add	284.59	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,216.31	305.39
			For Class 52 Rating, Deduct	-192.90	
			For Class 54 Rating, Add	131.52	
			For Class 55 Rating, Add	292.33	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,265.94	307.52
			For Class 52 Rating, Deduct	-198.00	
			For Class 54 Rating, Add	135.00	
			For Class 55 Rating, Add	300.06	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,315.58	309.66
			For Class 52 Rating, Deduct	-203.10	
			For Class 54 Rating, Add	138.48	
			For Class 55 Rating, Add	307.79	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,365.21	311.79
			For Class 52 Rating, Deduct	-208.21	
			For Class 54 Rating, Add	141.96	
			For Class 55 Rating, Add	315.53	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,414.85	313.93
			For Class 52 Rating, Deduct	-213.31	
			For Class 54 Rating, Add	145.44	
			For Class 55 Rating, Add	323.26	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,464.48	316.07
			For Class 52 Rating, Deduct	-218.42	
			For Class 54 Rating, Add	148.92	
			For Class 55 Rating, Add	331.00	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,514.12	318.20
			For Class 52 Rating, Deduct	-223.52	
			For Class 54 Rating, Add	152.40	
			For Class 55 Rating, Add	338.73	
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,563.75	320.34
			For Class 52 Rating, Deduct	-228.62	
			For Class 54 Rating, Add	155.88	
			For Class 55 Rating, Add	346.47	
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	870.60	298.98
			For Class 52 Rating, Deduct	-45.94	
			For Class 54 Rating, Add	31.32	
			For Class 55 Rating, Add	69.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.23	301.11
<i>For Class 52 Rating, Deduct</i>	-52.36	
<i>For Class 54 Rating, Add</i>	35.70	
<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.87	303.25
<i>For Class 52 Rating, Deduct</i>	-58.78	
<i>For Class 54 Rating, Add</i>	40.08	
<i>For Class 55 Rating, Add</i>	89.08	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.51	305.39
<i>For Class 52 Rating, Deduct</i>	-65.21	
<i>For Class 54 Rating, Add</i>	44.46	
<i>For Class 55 Rating, Add</i>	98.82	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.14	307.52
<i>For Class 52 Rating, Deduct</i>	-71.63	
<i>For Class 54 Rating, Add</i>	48.84	
<i>For Class 55 Rating, Add</i>	108.56	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,178.78	309.66
<i>For Class 52 Rating, Deduct</i>	-78.06	
<i>For Class 54 Rating, Add</i>	53.22	
<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,240.41	311.79
<i>For Class 52 Rating, Deduct</i>	-84.48	
<i>For Class 54 Rating, Add</i>	57.60	
<i>For Class 55 Rating, Add</i>	128.03	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.05	313.93
<i>For Class 52 Rating, Deduct</i>	-90.90	
<i>For Class 54 Rating, Add</i>	61.98	
<i>For Class 55 Rating, Add</i>	137.76	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.68	316.07
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,425.32	318.20
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,486.95	320.34
<i>For Class 52 Rating, Deduct</i>	-110.18	
<i>For Class 54 Rating, Add</i>	75.12	
<i>For Class 55 Rating, Add</i>	166.97	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,548.59	322.47
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-0728 EA 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.23	324.61
<i>For Class 52 Rating, Deduct</i>	-123.02	
<i>For Class 54 Rating, Add</i>	83.88	
<i>For Class 55 Rating, Add</i>	186.44	
40 05 19 00-0729 EA 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,671.86	326.75
<i>For Class 52 Rating, Deduct</i>	-129.45	
<i>For Class 54 Rating, Add</i>	88.26	
<i>For Class 55 Rating, Add</i>	196.17	
40 05 19 00-0730 EA 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,733.50	328.88
<i>For Class 52 Rating, Deduct</i>	-135.87	
<i>For Class 54 Rating, Add</i>	92.64	
<i>For Class 55 Rating, Add</i>	205.91	
40 05 19 00-0731 EA 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,795.13	331.02
<i>For Class 52 Rating, Deduct</i>	-142.30	
<i>For Class 54 Rating, Add</i>	97.02	
<i>For Class 55 Rating, Add</i>	215.64	
40 05 19 00-0732 EA 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.77	333.15
<i>For Class 52 Rating, Deduct</i>	-148.72	
<i>For Class 54 Rating, Add</i>	101.40	
<i>For Class 55 Rating, Add</i>	225.38	
40 05 19 00-0733 EA 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,918.40	335.29
<i>For Class 52 Rating, Deduct</i>	-155.14	
<i>For Class 54 Rating, Add</i>	105.78	
<i>For Class 55 Rating, Add</i>	235.11	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,980.04	337.43
			For Class 52 Rating, Deduct	-161.57	
			For Class 54 Rating, Add	110.16	
			For Class 55 Rating, Add	244.85	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,041.68	339.56
			For Class 52 Rating, Deduct	-167.99	
			For Class 54 Rating, Add	114.54	
			For Class 55 Rating, Add	254.58	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,103.31	341.70
			For Class 52 Rating, Deduct	-174.42	
			For Class 54 Rating, Add	118.92	
			For Class 55 Rating, Add	264.32	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,164.95	343.82
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,226.58	345.96
			For Class 52 Rating, Deduct	-187.26	
			For Class 54 Rating, Add	127.68	
			For Class 55 Rating, Add	283.79	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,288.22	348.09
			For Class 52 Rating, Deduct	-193.69	
			For Class 54 Rating, Add	132.06	
			For Class 55 Rating, Add	293.53	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,349.85	350.23
			For Class 52 Rating, Deduct	-200.11	
			For Class 54 Rating, Add	136.44	
			For Class 55 Rating, Add	303.26	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,411.49	352.37
			For Class 52 Rating, Deduct	-206.54	
			For Class 54 Rating, Add	140.82	
			For Class 55 Rating, Add	313.00	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,473.13	354.50
			For Class 52 Rating, Deduct	-212.96	
			For Class 54 Rating, Add	145.20	
			For Class 55 Rating, Add	322.73	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,534.76	356.64
			For Class 52 Rating, Deduct	-219.38	
			For Class 54 Rating, Add	149.58	
			For Class 55 Rating, Add	332.47	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,596.40	358.77
			For Class 52 Rating, Deduct	-225.81	
			For Class 54 Rating, Add	153.96	
			For Class 55 Rating, Add	342.20	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,658.03	360.91
			For Class 52 Rating, Deduct	-232.23	
			For Class 54 Rating, Add	158.34	
			For Class 55 Rating, Add	351.94	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,719.67	363.05
			For Class 52 Rating, Deduct	-238.66	
			For Class 54 Rating, Add	162.72	
			For Class 55 Rating, Add	361.67	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,781.30	365.18
			For Class 52 Rating, Deduct	-245.08	
			For Class 54 Rating, Add	167.10	
			For Class 55 Rating, Add	371.41	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,842.94	367.32
			For Class 52 Rating, Deduct	-251.50	
			For Class 54 Rating, Add	171.48	
			For Class 55 Rating, Add	381.14	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,904.58	369.45
			For Class 52 Rating, Deduct	-257.93	
			For Class 54 Rating, Add	175.86	
			For Class 55 Rating, Add	390.88	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,966.22	371.59
			For Class 52 Rating, Deduct	-264.35	
			For Class 54 Rating, Add	180.24	
			For Class 55 Rating, Add	400.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,027.86	373.73
For Class 52 Rating, Deduct	-270.78	
For Class 54 Rating, Add	184.62	
For Class 55 Rating, Add	410.35	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,089.49	375.86
For Class 52 Rating, Deduct	-277.20	
For Class 54 Rating, Add	189.00	
For Class 55 Rating, Add	420.08	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,151.13	378.00
For Class 52 Rating, Deduct	-283.62	
For Class 54 Rating, Add	193.38	
For Class 55 Rating, Add	429.82	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,212.76	380.13
For Class 52 Rating, Deduct	-290.05	
For Class 54 Rating, Add	197.76	
For Class 55 Rating, Add	439.55	
40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0756 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.60	358.77
For Class 52 Rating, Deduct	-68.64	
For Class 54 Rating, Add	46.80	
For Class 55 Rating, Add	104.02	
40 05 19 00-0757 EA 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,242.03	360.91
For Class 52 Rating, Deduct	-76.47	
For Class 54 Rating, Add	52.14	
For Class 55 Rating, Add	115.89	
40 05 19 00-0758 EA 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.47	363.05
For Class 52 Rating, Deduct	-84.30	
For Class 54 Rating, Add	57.48	
For Class 55 Rating, Add	127.76	
40 05 19 00-0759 EA 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,390.90	365.18
For Class 52 Rating, Deduct	-92.14	
For Class 54 Rating, Add	62.82	
For Class 55 Rating, Add	139.63	
40 05 19 00-0760 EA 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.34	367.32
For Class 52 Rating, Deduct	-99.97	
For Class 54 Rating, Add	68.16	
For Class 55 Rating, Add	151.50	
40 05 19 00-0761 EA 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.78	369.45
For Class 52 Rating, Deduct	-107.80	
For Class 54 Rating, Add	73.50	
For Class 55 Rating, Add	163.37	
40 05 19 00-0762 EA 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,614.22	371.59
For Class 52 Rating, Deduct	-115.63	
For Class 54 Rating, Add	78.84	
For Class 55 Rating, Add	175.24	
40 05 19 00-0763 EA 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,688.66	373.73
For Class 52 Rating, Deduct	-123.46	
For Class 54 Rating, Add	84.18	
For Class 55 Rating, Add	187.10	
40 05 19 00-0764 EA 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.09	375.86
For Class 52 Rating, Deduct	-131.30	
For Class 54 Rating, Add	89.52	
For Class 55 Rating, Add	198.97	
40 05 19 00-0765 EA 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,837.53	378.00
For Class 52 Rating, Deduct	-139.13	
For Class 54 Rating, Add	94.86	
For Class 55 Rating, Add	210.84	
40 05 19 00-0766 EA 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,911.96	380.13
For Class 52 Rating, Deduct	-146.96	
For Class 54 Rating, Add	100.20	
For Class 55 Rating, Add	222.71	
40 05 19 00-0767 EA 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,986.40	382.27
For Class 52 Rating, Deduct	-154.79	
For Class 54 Rating, Add	105.54	
For Class 55 Rating, Add	234.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,060.83	384.41
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,135.27	386.54
			For Class 52 Rating, Deduct	-170.46	
			For Class 54 Rating, Add	116.22	
			For Class 55 Rating, Add	258.32	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,209.71	388.68
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,284.14	390.81
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,358.58	392.95
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,433.01	395.08
			For Class 52 Rating, Deduct	-201.78	
			For Class 54 Rating, Add	137.58	
			For Class 55 Rating, Add	305.79	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,507.45	397.22
			For Class 52 Rating, Deduct	-209.62	
			For Class 54 Rating, Add	142.92	
			For Class 55 Rating, Add	317.66	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,581.88	399.36
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,656.32	401.49
			For Class 52 Rating, Deduct	-225.28	
			For Class 54 Rating, Add	153.60	
			For Class 55 Rating, Add	341.40	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,730.75	403.63
			For Class 52 Rating, Deduct	-233.11	
			For Class 54 Rating, Add	158.94	
			For Class 55 Rating, Add	353.27	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,805.19	405.75
			For Class 52 Rating, Deduct	-240.94	
			For Class 54 Rating, Add	164.28	
			For Class 55 Rating, Add	365.14	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,879.63	407.89
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,954.06	410.03
			For Class 52 Rating, Deduct	-256.61	
			For Class 54 Rating, Add	174.96	
			For Class 55 Rating, Add	388.88	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,028.50	412.16
			For Class 52 Rating, Deduct	-264.44	
			For Class 54 Rating, Add	180.30	
			For Class 55 Rating, Add	400.75	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,102.93	414.30
			For Class 52 Rating, Deduct	-272.27	
			For Class 54 Rating, Add	185.64	
			For Class 55 Rating, Add	412.62	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,177.37	416.43
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	190.98	
			For Class 55 Rating, Add	424.48	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,251.80	418.57
			For Class 52 Rating, Deduct	-287.94	
			For Class 54 Rating, Add	196.32	
			For Class 55 Rating, Add	436.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,326.24	420.71
For Class 52 Rating, Deduct	-295.77	
For Class 54 Rating, Add	201.66	
For Class 55 Rating, Add	448.22	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,400.68	422.84
For Class 52 Rating, Deduct	-303.60	
For Class 54 Rating, Add	207.00	
For Class 55 Rating, Add	460.09	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,475.11	424.98
For Class 52 Rating, Deduct	-311.43	
For Class 54 Rating, Add	212.34	
For Class 55 Rating, Add	471.96	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,549.55	427.11
For Class 52 Rating, Deduct	-319.26	
For Class 54 Rating, Add	217.68	
For Class 55 Rating, Add	483.83	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,623.98	429.25
For Class 52 Rating, Deduct	-327.10	
For Class 54 Rating, Add	223.02	
For Class 55 Rating, Add	495.70	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,698.42	431.39
For Class 52 Rating, Deduct	-334.93	
For Class 54 Rating, Add	228.36	
For Class 55 Rating, Add	507.57	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.85	433.52
For Class 52 Rating, Deduct	-342.76	
For Class 54 Rating, Add	233.70	
For Class 55 Rating, Add	519.44	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,847.29	435.66
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	239.04	
For Class 55 Rating, Add	531.31	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.72	437.79
For Class 52 Rating, Deduct	-358.42	
For Class 54 Rating, Add	244.38	
For Class 55 Rating, Add	543.18	
40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.66	410.03
For Class 52 Rating, Deduct	-81.22	
For Class 54 Rating, Add	55.38	
For Class 55 Rating, Add	123.09	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.10	412.16
For Class 52 Rating, Deduct	-90.38	
For Class 54 Rating, Add	61.62	
For Class 55 Rating, Add	136.96	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,532.53	414.30
For Class 52 Rating, Deduct	-99.53	
For Class 54 Rating, Add	67.86	
For Class 55 Rating, Add	150.83	
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,618.97	416.43
For Class 52 Rating, Deduct	-108.68	
For Class 54 Rating, Add	74.10	
For Class 55 Rating, Add	164.70	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.40	418.57
For Class 52 Rating, Deduct	-117.83	
For Class 54 Rating, Add	80.34	
For Class 55 Rating, Add	178.57	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.84	420.71
For Class 52 Rating, Deduct	-126.98	
For Class 54 Rating, Add	86.58	
For Class 55 Rating, Add	192.44	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.28	422.84
For Class 52 Rating, Deduct	-136.14	
For Class 54 Rating, Add	92.82	
For Class 55 Rating, Add	206.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,964.71	424.98
			For Class 52 Rating, Deduct	-145.29	
			For Class 54 Rating, Add	99.06	
			For Class 55 Rating, Add	220.18	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,051.15	427.11
			For Class 52 Rating, Deduct	-154.44	
			For Class 54 Rating, Add	105.30	
			For Class 55 Rating, Add	234.05	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,129.58	429.25
			For Class 52 Rating, Deduct	-162.71	
			For Class 54 Rating, Add	110.94	
			For Class 55 Rating, Add	246.58	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,224.02	431.39
			For Class 52 Rating, Deduct	-172.74	
			For Class 54 Rating, Add	117.78	
			For Class 55 Rating, Add	261.79	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,310.45	433.52
			For Class 52 Rating, Deduct	-181.90	
			For Class 54 Rating, Add	124.02	
			For Class 55 Rating, Add	275.66	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,396.89	435.66
			For Class 52 Rating, Deduct	-191.05	
			For Class 54 Rating, Add	130.26	
			For Class 55 Rating, Add	289.52	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,483.32	437.79
			For Class 52 Rating, Deduct	-200.20	
			For Class 54 Rating, Add	136.50	
			For Class 55 Rating, Add	303.39	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,569.76	439.93
			For Class 52 Rating, Deduct	-209.35	
			For Class 54 Rating, Add	142.74	
			For Class 55 Rating, Add	317.26	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,656.20	442.06
			For Class 52 Rating, Deduct	-218.50	
			For Class 54 Rating, Add	148.98	
			For Class 55 Rating, Add	331.13	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,742.63	444.20
			For Class 52 Rating, Deduct	-227.66	
			For Class 54 Rating, Add	155.22	
			For Class 55 Rating, Add	345.00	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,829.07	446.34
			For Class 52 Rating, Deduct	-236.81	
			For Class 54 Rating, Add	161.46	
			For Class 55 Rating, Add	358.87	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,915.50	448.47
			For Class 52 Rating, Deduct	-245.96	
			For Class 54 Rating, Add	167.70	
			For Class 55 Rating, Add	372.74	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,001.94	450.61
			For Class 52 Rating, Deduct	-255.11	
			For Class 54 Rating, Add	173.94	
			For Class 55 Rating, Add	386.61	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,088.37	452.74
			For Class 52 Rating, Deduct	-264.26	
			For Class 54 Rating, Add	180.18	
			For Class 55 Rating, Add	400.48	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,174.81	454.88
			For Class 52 Rating, Deduct	-273.42	
			For Class 54 Rating, Add	186.42	
			For Class 55 Rating, Add	414.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,261.25	457.02
			For Class 52 Rating, Deduct	-282.57	
			For Class 54 Rating, Add	192.66	
			For Class 55 Rating, Add	428.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,347.68	459.15
			For Class 52 Rating, Deduct	-291.72	
			For Class 54 Rating, Add	198.90	
			For Class 55 Rating, Add	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819 EA 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,434.12	461.29
For Class 52 Rating, Deduct	-300.87	
For Class 54 Rating, Add	205.14	
For Class 55 Rating, Add	455.96	
40 05 19 00-0820 EA 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,520.55	463.42
For Class 52 Rating, Deduct	-310.02	
For Class 54 Rating, Add	211.38	
For Class 55 Rating, Add	469.83	
40 05 19 00-0821 EA 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,606.99	465.56
For Class 52 Rating, Deduct	-319.18	
For Class 54 Rating, Add	217.62	
For Class 55 Rating, Add	483.70	
40 05 19 00-0822 EA 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.42	467.69
For Class 52 Rating, Deduct	-328.33	
For Class 54 Rating, Add	223.86	
For Class 55 Rating, Add	497.57	
40 05 19 00-0823 EA 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,779.86	469.82
For Class 52 Rating, Deduct	-337.48	
For Class 54 Rating, Add	230.10	
For Class 55 Rating, Add	511.44	
40 05 19 00-0824 EA 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,866.29	471.96
For Class 52 Rating, Deduct	-346.63	
For Class 54 Rating, Add	236.34	
For Class 55 Rating, Add	525.31	
40 05 19 00-0825 EA 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,952.73	474.09
For Class 52 Rating, Deduct	-355.78	
For Class 54 Rating, Add	242.58	
For Class 55 Rating, Add	539.17	
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,039.17	476.23
For Class 52 Rating, Deduct	-364.94	
For Class 54 Rating, Add	248.82	
For Class 55 Rating, Add	553.04	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,125.60	478.37
For Class 52 Rating, Deduct	-374.09	
For Class 54 Rating, Add	255.06	
For Class 55 Rating, Add	566.91	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.04	480.50
For Class 52 Rating, Deduct	-383.24	
For Class 54 Rating, Add	261.30	
For Class 55 Rating, Add	580.78	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,298.47	482.64
For Class 52 Rating, Deduct	-392.39	
For Class 54 Rating, Add	267.54	
For Class 55 Rating, Add	594.65	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,384.91	484.77
For Class 52 Rating, Deduct	-401.54	
For Class 54 Rating, Add	273.78	
For Class 55 Rating, Add	608.52	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,471.34	486.91
For Class 52 Rating, Deduct	-410.70	
For Class 54 Rating, Add	280.02	
For Class 55 Rating, Add	622.39	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,557.78	489.05
For Class 52 Rating, Deduct	-419.85	
For Class 54 Rating, Add	286.26	
For Class 55 Rating, Add	636.26	
40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,576.21	462.14
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.44	464.28
For Class 52 Rating, Deduct	-106.92	
For Class 54 Rating, Add	72.90	
For Class 55 Rating, Add	162.03	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,774.68	466.42
			For Class 52 Rating, Deduct	-117.48	
			For Class 54 Rating, Add	80.10	
			For Class 55 Rating, Add	178.04	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,873.91	468.55
			For Class 52 Rating, Deduct	-128.04	
			For Class 54 Rating, Add	87.30	
			For Class 55 Rating, Add	194.04	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,973.15	470.69
			For Class 52 Rating, Deduct	-138.60	
			For Class 54 Rating, Add	94.50	
			For Class 55 Rating, Add	210.04	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,072.39	472.82
			For Class 52 Rating, Deduct	-149.16	
			For Class 54 Rating, Add	101.70	
			For Class 55 Rating, Add	226.05	
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,171.62	474.95
			For Class 52 Rating, Deduct	-159.72	
			For Class 54 Rating, Add	108.90	
			For Class 55 Rating, Add	242.05	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,270.86	477.09
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,370.09	479.22
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,469.33	481.36
			For Class 52 Rating, Deduct	-191.40	
			For Class 54 Rating, Add	130.50	
			For Class 55 Rating, Add	290.06	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,568.56	483.49
			For Class 52 Rating, Deduct	-201.96	
			For Class 54 Rating, Add	137.70	
			For Class 55 Rating, Add	306.06	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,667.80	485.63
			For Class 52 Rating, Deduct	-212.52	
			For Class 54 Rating, Add	144.90	
			For Class 55 Rating, Add	322.06	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,767.03	487.77
			For Class 52 Rating, Deduct	-223.08	
			For Class 54 Rating, Add	152.10	
			For Class 55 Rating, Add	338.07	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,866.27	489.90
			For Class 52 Rating, Deduct	-233.64	
			For Class 54 Rating, Add	159.30	
			For Class 55 Rating, Add	354.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,965.51	492.04
			For Class 52 Rating, Deduct	-244.20	
			For Class 54 Rating, Add	166.50	
			For Class 55 Rating, Add	370.07	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,064.74	494.17
			For Class 52 Rating, Deduct	-254.76	
			For Class 54 Rating, Add	173.70	
			For Class 55 Rating, Add	386.08	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,163.98	496.31
			For Class 52 Rating, Deduct	-265.32	
			For Class 54 Rating, Add	180.90	
			For Class 55 Rating, Add	402.08	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,263.21	498.45
			For Class 52 Rating, Deduct	-275.88	
			For Class 54 Rating, Add	188.10	
			For Class 55 Rating, Add	418.08	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,362.45	500.58
			For Class 52 Rating, Deduct	-286.44	
			For Class 54 Rating, Add	195.30	
			For Class 55 Rating, Add	434.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853 EA 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.68	502.72
For Class 52 Rating, Deduct	-297.00	
For Class 54 Rating, Add	202.50	
For Class 55 Rating, Add	450.09	
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,560.92	504.85
For Class 52 Rating, Deduct	-307.56	
For Class 54 Rating, Add	209.70	
For Class 55 Rating, Add	466.09	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,660.16	506.99
For Class 52 Rating, Deduct	-318.12	
For Class 54 Rating, Add	216.90	
For Class 55 Rating, Add	482.10	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.39	509.12
For Class 52 Rating, Deduct	-328.68	
For Class 54 Rating, Add	224.10	
For Class 55 Rating, Add	498.10	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,858.63	511.26
For Class 52 Rating, Deduct	-339.24	
For Class 54 Rating, Add	231.30	
For Class 55 Rating, Add	514.10	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,957.86	513.40
For Class 52 Rating, Deduct	-349.80	
For Class 54 Rating, Add	238.50	
For Class 55 Rating, Add	530.11	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,057.10	515.53
For Class 52 Rating, Deduct	-360.36	
For Class 54 Rating, Add	245.70	
For Class 55 Rating, Add	546.11	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,156.33	517.67
For Class 52 Rating, Deduct	-370.92	
For Class 54 Rating, Add	252.90	
For Class 55 Rating, Add	562.11	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,255.58	519.80
For Class 52 Rating, Deduct	-381.48	
For Class 54 Rating, Add	260.10	
For Class 55 Rating, Add	578.12	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,354.81	521.94
For Class 52 Rating, Deduct	-392.04	
For Class 54 Rating, Add	267.30	
For Class 55 Rating, Add	594.12	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,454.05	524.08
For Class 52 Rating, Deduct	-402.60	
For Class 54 Rating, Add	274.50	
For Class 55 Rating, Add	610.12	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,553.29	526.21
For Class 52 Rating, Deduct	-413.16	
For Class 54 Rating, Add	281.70	
For Class 55 Rating, Add	626.13	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,652.52	528.35
For Class 52 Rating, Deduct	-423.72	
For Class 54 Rating, Add	288.90	
For Class 55 Rating, Add	642.13	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,751.76	530.48
For Class 52 Rating, Deduct	-434.28	
For Class 54 Rating, Add	296.10	
For Class 55 Rating, Add	658.13	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,850.99	532.62
For Class 52 Rating, Deduct	-444.84	
For Class 54 Rating, Add	303.30	
For Class 55 Rating, Add	674.13	
40 05 19 00-0868 EA 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,950.23	534.76
For Class 52 Rating, Deduct	-455.40	
For Class 54 Rating, Add	310.50	
For Class 55 Rating, Add	690.14	
40 05 19 00-0869 EA 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,049.46	536.88
For Class 52 Rating, Deduct	-465.96	
For Class 54 Rating, Add	317.70	
For Class 55 Rating, Add	706.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,148.70	539.02
			<i>For Class 52 Rating, Deduct</i>	-476.52	
			<i>For Class 54 Rating, Add</i>	324.90	
			<i>For Class 55 Rating, Add</i>	722.14	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,247.94	541.15
			<i>For Class 52 Rating, Deduct</i>	-487.08	
			<i>For Class 54 Rating, Add</i>	332.10	
			<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,822.42	527.49
			<i>For Class 52 Rating, Deduct</i>	-112.55	
			<i>For Class 54 Rating, Add</i>	76.74	
			<i>For Class 55 Rating, Add</i>	170.57	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,936.06	529.63
			<i>For Class 52 Rating, Deduct</i>	-124.70	
			<i>For Class 54 Rating, Add</i>	85.02	
			<i>For Class 55 Rating, Add</i>	188.97	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,049.69	531.75
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,163.33	533.89
			<i>For Class 52 Rating, Deduct</i>	-148.98	
			<i>For Class 54 Rating, Add</i>	101.58	
			<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,276.96	536.03
			<i>For Class 52 Rating, Deduct</i>	-161.13	
			<i>For Class 54 Rating, Add</i>	109.86	
			<i>For Class 55 Rating, Add</i>	244.18	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,390.60	538.16
			<i>For Class 52 Rating, Deduct</i>	-173.27	
			<i>For Class 54 Rating, Add</i>	118.14	
			<i>For Class 55 Rating, Add</i>	262.59	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,504.24	540.30
			<i>For Class 52 Rating, Deduct</i>	-185.42	
			<i>For Class 54 Rating, Add</i>	126.42	
			<i>For Class 55 Rating, Add</i>	280.99	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,617.87	542.43
			<i>For Class 52 Rating, Deduct</i>	-197.56	
			<i>For Class 54 Rating, Add</i>	134.70	
			<i>For Class 55 Rating, Add</i>	299.39	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,731.51	544.57
			<i>For Class 52 Rating, Deduct</i>	-209.70	
			<i>For Class 54 Rating, Add</i>	142.98	
			<i>For Class 55 Rating, Add</i>	317.80	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,845.14	546.70
			<i>For Class 52 Rating, Deduct</i>	-221.85	
			<i>For Class 54 Rating, Add</i>	151.26	
			<i>For Class 55 Rating, Add</i>	336.20	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,958.78	548.84
			<i>For Class 52 Rating, Deduct</i>	-233.99	
			<i>For Class 54 Rating, Add</i>	159.54	
			<i>For Class 55 Rating, Add</i>	354.60	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,072.41	550.98
			<i>For Class 52 Rating, Deduct</i>	-246.14	
			<i>For Class 54 Rating, Add</i>	167.82	
			<i>For Class 55 Rating, Add</i>	373.01	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,186.05	553.11
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,299.68	555.25
			<i>For Class 52 Rating, Deduct</i>	-270.42	
			<i>For Class 54 Rating, Add</i>	184.38	
			<i>For Class 55 Rating, Add</i>	409.82	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,413.32	557.38
For Class 52 Rating, Deduct	-282.57	
For Class 54 Rating, Add	192.66	
For Class 55 Rating, Add	428.22	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,526.96	559.52
For Class 52 Rating, Deduct	-294.71	
For Class 54 Rating, Add	200.94	
For Class 55 Rating, Add	446.62	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,640.59	561.66
For Class 52 Rating, Deduct	-306.86	
For Class 54 Rating, Add	209.22	
For Class 55 Rating, Add	465.03	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,754.23	563.79
For Class 52 Rating, Deduct	-319.00	
For Class 54 Rating, Add	217.50	
For Class 55 Rating, Add	483.43	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,867.86	565.93
For Class 52 Rating, Deduct	-331.14	
For Class 54 Rating, Add	225.78	
For Class 55 Rating, Add	501.83	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,981.50	568.06
For Class 52 Rating, Deduct	-343.29	
For Class 54 Rating, Add	234.06	
For Class 55 Rating, Add	520.24	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.13	570.20
For Class 52 Rating, Deduct	-355.43	
For Class 54 Rating, Add	242.34	
For Class 55 Rating, Add	538.64	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,208.77	572.34
For Class 52 Rating, Deduct	-367.58	
For Class 54 Rating, Add	250.62	
For Class 55 Rating, Add	557.04	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,322.41	574.47
For Class 52 Rating, Deduct	-379.72	
For Class 54 Rating, Add	258.90	
For Class 55 Rating, Add	575.45	
40 05 19 00-0896 EA 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,436.04	576.61
For Class 52 Rating, Deduct	-391.86	
For Class 54 Rating, Add	267.18	
For Class 55 Rating, Add	593.85	
40 05 19 00-0897 EA 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,549.68	578.74
For Class 52 Rating, Deduct	-404.01	
For Class 54 Rating, Add	275.46	
For Class 55 Rating, Add	612.26	
40 05 19 00-0898 EA 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,663.31	580.88
For Class 52 Rating, Deduct	-416.15	
For Class 54 Rating, Add	283.74	
For Class 55 Rating, Add	630.66	
40 05 19 00-0899 EA 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,776.95	583.02
For Class 52 Rating, Deduct	-428.30	
For Class 54 Rating, Add	292.02	
For Class 55 Rating, Add	649.06	
40 05 19 00-0900 EA 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,890.58	585.15
For Class 52 Rating, Deduct	-440.44	
For Class 54 Rating, Add	300.30	
For Class 55 Rating, Add	667.47	
40 05 19 00-0901 EA 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,004.22	587.29
For Class 52 Rating, Deduct	-452.58	
For Class 54 Rating, Add	308.58	
For Class 55 Rating, Add	685.87	
40 05 19 00-0902 EA 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,117.85	589.42
For Class 52 Rating, Deduct	-464.73	
For Class 54 Rating, Add	316.86	
For Class 55 Rating, Add	704.27	
40 05 19 00-0903 EA 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,231.49	591.55
For Class 52 Rating, Deduct	-476.87	
For Class 54 Rating, Add	325.14	
For Class 55 Rating, Add	722.68	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,345.13	593.69
			For Class 52 Rating, Deduct	-489.02	
			For Class 54 Rating, Add	333.42	
			For Class 55 Rating, Add	741.08	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,458.76	595.82
			For Class 52 Rating, Deduct	-501.16	
			For Class 54 Rating, Add	341.70	
			For Class 55 Rating, Add	759.49	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,572.40	597.96
			For Class 52 Rating, Deduct	-513.30	
			For Class 54 Rating, Add	349.98	
			For Class 55 Rating, Add	777.89	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,686.03	600.09
			For Class 52 Rating, Deduct	-525.45	
			For Class 54 Rating, Add	358.26	
			For Class 55 Rating, Add	796.29	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,799.67	602.23
			For Class 52 Rating, Deduct	-537.59	
			For Class 54 Rating, Add	366.54	
			For Class 55 Rating, Add	814.70	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,913.30	604.36
			For Class 52 Rating, Deduct	-549.74	
			For Class 54 Rating, Add	374.82	
			For Class 55 Rating, Add	833.10	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,026.94	606.50
			For Class 52 Rating, Deduct	-561.88	
			For Class 54 Rating, Add	383.10	
			For Class 55 Rating, Add	851.50	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,237.63	623.59
			For Class 52 Rating, Deduct	-142.21	
			For Class 54 Rating, Add	96.96	
			For Class 55 Rating, Add	215.51	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,377.67	625.72
			For Class 52 Rating, Deduct	-157.26	
			For Class 54 Rating, Add	107.22	
			For Class 55 Rating, Add	238.31	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,517.71	627.86
			For Class 52 Rating, Deduct	-172.30	
			For Class 54 Rating, Add	117.48	
			For Class 55 Rating, Add	261.12	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,657.74	630.00
			For Class 52 Rating, Deduct	-187.35	
			For Class 54 Rating, Add	127.74	
			For Class 55 Rating, Add	283.92	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,797.78	632.13
			For Class 52 Rating, Deduct	-202.40	
			For Class 54 Rating, Add	138.00	
			For Class 55 Rating, Add	306.73	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,937.81	634.27
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,077.85	636.40
			For Class 52 Rating, Deduct	-232.50	
			For Class 54 Rating, Add	158.52	
			For Class 55 Rating, Add	352.34	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,217.88	638.54
			For Class 52 Rating, Deduct	-247.54	
			For Class 54 Rating, Add	168.78	
			For Class 55 Rating, Add	375.14	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,357.92	640.68
			For Class 52 Rating, Deduct	-262.59	
			For Class 54 Rating, Add	179.04	
			For Class 55 Rating, Add	397.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,497.96	642.81
<i>For Class 52 Rating, Deduct</i>	-277.64	
<i>For Class 54 Rating, Add</i>	189.30	
<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,637.99	644.95
<i>For Class 52 Rating, Deduct</i>	-292.69	
<i>For Class 54 Rating, Add</i>	199.56	
<i>For Class 55 Rating, Add</i>	443.56	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,778.03	647.08
<i>For Class 52 Rating, Deduct</i>	-307.74	
<i>For Class 54 Rating, Add</i>	209.82	
<i>For Class 55 Rating, Add</i>	466.36	
40 05 19 00-0924 EA 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,918.06	649.22
<i>For Class 52 Rating, Deduct</i>	-322.78	
<i>For Class 54 Rating, Add</i>	220.08	
<i>For Class 55 Rating, Add</i>	489.16	
40 05 19 00-0925 EA 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,058.10	651.35
<i>For Class 52 Rating, Deduct</i>	-337.83	
<i>For Class 54 Rating, Add</i>	230.34	
<i>For Class 55 Rating, Add</i>	511.97	
40 05 19 00-0926 EA 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,198.13	653.49
<i>For Class 52 Rating, Deduct</i>	-352.88	
<i>For Class 54 Rating, Add</i>	240.60	
<i>For Class 55 Rating, Add</i>	534.77	
40 05 19 00-0927 EA 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,338.17	655.62
<i>For Class 52 Rating, Deduct</i>	-367.93	
<i>For Class 54 Rating, Add</i>	250.86	
<i>For Class 55 Rating, Add</i>	557.58	
40 05 19 00-0928 EA 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,478.20	657.75
<i>For Class 52 Rating, Deduct</i>	-382.98	
<i>For Class 54 Rating, Add</i>	261.12	
<i>For Class 55 Rating, Add</i>	580.38	
40 05 19 00-0929 EA 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,618.24	659.89
<i>For Class 52 Rating, Deduct</i>	-398.02	
<i>For Class 54 Rating, Add</i>	271.38	
<i>For Class 55 Rating, Add</i>	603.19	
40 05 19 00-0930 EA 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,758.28	662.02
<i>For Class 52 Rating, Deduct</i>	-413.07	
<i>For Class 54 Rating, Add</i>	281.64	
<i>For Class 55 Rating, Add</i>	625.99	
40 05 19 00-0931 EA 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,898.31	664.16
<i>For Class 52 Rating, Deduct</i>	-428.12	
<i>For Class 54 Rating, Add</i>	291.90	
<i>For Class 55 Rating, Add</i>	648.80	
40 05 19 00-0932 EA 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,038.35	666.30
<i>For Class 52 Rating, Deduct</i>	-443.17	
<i>For Class 54 Rating, Add</i>	302.16	
<i>For Class 55 Rating, Add</i>	671.60	
40 05 19 00-0933 EA 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.38	668.43
<i>For Class 52 Rating, Deduct</i>	-458.22	
<i>For Class 54 Rating, Add</i>	312.42	
<i>For Class 55 Rating, Add</i>	694.41	
40 05 19 00-0934 EA 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,318.42	670.57
<i>For Class 52 Rating, Deduct</i>	-473.26	
<i>For Class 54 Rating, Add</i>	322.68	
<i>For Class 55 Rating, Add</i>	717.21	
40 05 19 00-0935 EA 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,458.45	672.70
<i>For Class 52 Rating, Deduct</i>	-488.31	
<i>For Class 54 Rating, Add</i>	332.94	
<i>For Class 55 Rating, Add</i>	740.01	
40 05 19 00-0936 EA 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,598.49	674.84
<i>For Class 52 Rating, Deduct</i>	-503.36	
<i>For Class 54 Rating, Add</i>	343.20	
<i>For Class 55 Rating, Add</i>	762.82	
40 05 19 00-0937 EA 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,738.53	676.98
<i>For Class 52 Rating, Deduct</i>	-518.41	
<i>For Class 54 Rating, Add</i>	353.46	
<i>For Class 55 Rating, Add</i>	785.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,878.56	679.11
			For Class 52 Rating, Deduct	-533.46	
			For Class 54 Rating, Add	363.72	
			For Class 55 Rating, Add	808.43	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,018.60	681.25
			For Class 52 Rating, Deduct	-548.50	
			For Class 54 Rating, Add	373.98	
			For Class 55 Rating, Add	831.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,158.63	683.38
			For Class 52 Rating, Deduct	-563.55	
			For Class 54 Rating, Add	384.24	
			For Class 55 Rating, Add	854.04	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,353.67	721.82
			For Class 52 Rating, Deduct	-578.60	
			For Class 54 Rating, Add	394.50	
			For Class 55 Rating, Add	876.84	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,493.71	723.96
			For Class 52 Rating, Deduct	-593.65	
			For Class 54 Rating, Add	404.76	
			For Class 55 Rating, Add	899.65	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,633.75	726.09
			For Class 52 Rating, Deduct	-608.70	
			For Class 54 Rating, Add	415.02	
			For Class 55 Rating, Add	922.45	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,773.78	728.23
			For Class 52 Rating, Deduct	-623.74	
			For Class 54 Rating, Add	425.28	
			For Class 55 Rating, Add	945.26	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,913.82	730.36
			For Class 52 Rating, Deduct	-638.79	
			For Class 54 Rating, Add	435.54	
			For Class 55 Rating, Add	968.06	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,053.85	732.50
			For Class 52 Rating, Deduct	-653.84	
			For Class 54 Rating, Add	445.80	
			For Class 55 Rating, Add	990.86	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,193.89	734.64
			For Class 52 Rating, Deduct	-668.89	
			For Class 54 Rating, Add	456.06	
			For Class 55 Rating, Add	1,013.67	
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,333.92	736.77
			For Class 52 Rating, Deduct	-683.94	
			For Class 54 Rating, Add	466.32	
			For Class 55 Rating, Add	1,036.47	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,473.96	738.91
			For Class 52 Rating, Deduct	-698.98	
			For Class 54 Rating, Add	476.58	
			For Class 55 Rating, Add	1,059.28	
40 05 19 00-0950			30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,397.12	879.86
			For Class 52 Rating, Deduct	-227.04	
			For Class 54 Rating, Add	154.80	
			For Class 55 Rating, Add	344.07	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,597.96	881.99
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,798.79	884.13
			For Class 52 Rating, Deduct	-270.51	
			For Class 54 Rating, Add	184.44	
			For Class 55 Rating, Add	409.95	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,999.63	886.27
			For Class 52 Rating, Deduct	-292.25	
			For Class 54 Rating, Add	199.26	
			For Class 55 Rating, Add	442.89	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955 EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,200.46	888.40
For Class 52 Rating, Deduct	-313.98	
For Class 54 Rating, Add	214.08	
For Class 55 Rating, Add	475.83	
40 05 19 00-0956 EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,401.30	890.54
For Class 52 Rating, Deduct	-335.72	
For Class 54 Rating, Add	228.90	
For Class 55 Rating, Add	508.77	
40 05 19 00-0957 EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,602.13	892.67
For Class 52 Rating, Deduct	-357.46	
For Class 54 Rating, Add	243.72	
For Class 55 Rating, Add	541.71	
40 05 19 00-0958 EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,802.97	894.81
For Class 52 Rating, Deduct	-379.19	
For Class 54 Rating, Add	258.54	
For Class 55 Rating, Add	574.65	
40 05 19 00-0959 EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,003.81	896.95
For Class 52 Rating, Deduct	-400.93	
For Class 54 Rating, Add	273.36	
For Class 55 Rating, Add	607.59	
40 05 19 00-0960 EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,204.64	899.08
For Class 52 Rating, Deduct	-422.66	
For Class 54 Rating, Add	288.18	
For Class 55 Rating, Add	640.53	
40 05 19 00-0961 EA 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,405.48	901.22
For Class 52 Rating, Deduct	-444.40	
For Class 54 Rating, Add	303.00	
For Class 55 Rating, Add	673.47	
40 05 19 00-0962 EA 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,606.31	903.35
For Class 52 Rating, Deduct	-466.14	
For Class 54 Rating, Add	317.82	
For Class 55 Rating, Add	706.41	
40 05 19 00-0963 EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,807.15	905.48
For Class 52 Rating, Deduct	-487.87	
For Class 54 Rating, Add	332.64	
For Class 55 Rating, Add	739.35	
40 05 19 00-0964 EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,007.98	907.61
For Class 52 Rating, Deduct	-509.61	
For Class 54 Rating, Add	347.46	
For Class 55 Rating, Add	772.29	
40 05 19 00-0965 EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,208.82	909.75
For Class 52 Rating, Deduct	-531.34	
For Class 54 Rating, Add	362.28	
For Class 55 Rating, Add	805.23	
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,409.66	911.89
For Class 52 Rating, Deduct	-553.08	
For Class 54 Rating, Add	377.10	
For Class 55 Rating, Add	838.17	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,610.49	914.02
For Class 52 Rating, Deduct	-574.82	
For Class 54 Rating, Add	391.92	
For Class 55 Rating, Add	871.11	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,811.33	916.16
For Class 52 Rating, Deduct	-596.55	
For Class 54 Rating, Add	406.74	
For Class 55 Rating, Add	904.05	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,012.16	918.29
For Class 52 Rating, Deduct	-618.29	
For Class 54 Rating, Add	421.56	
For Class 55 Rating, Add	936.99	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,213.00	920.43
For Class 52 Rating, Deduct	-640.02	
For Class 54 Rating, Add	436.38	
For Class 55 Rating, Add	969.93	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,413.83	922.57
For Class 52 Rating, Deduct	-661.76	
For Class 54 Rating, Add	451.20	
For Class 55 Rating, Add	1,002.87	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,614.67		924.70
		<i>For Class 52 Rating, Deduct</i>	-683.50		
		<i>For Class 54 Rating, Add</i>	466.02		
		<i>For Class 55 Rating, Add</i>	1,035.81		
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,815.50		926.84
		<i>For Class 52 Rating, Deduct</i>	-705.23		
		<i>For Class 54 Rating, Add</i>	480.84		
		<i>For Class 55 Rating, Add</i>	1,068.75		
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,016.34		928.97
		<i>For Class 52 Rating, Deduct</i>	-726.97		
		<i>For Class 54 Rating, Add</i>	495.66		
		<i>For Class 55 Rating, Add</i>	1,101.69		
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,217.18		931.11
		<i>For Class 52 Rating, Deduct</i>	-748.70		
		<i>For Class 54 Rating, Add</i>	510.48		
		<i>For Class 55 Rating, Add</i>	1,134.63		
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,418.01		933.25
		<i>For Class 52 Rating, Deduct</i>	-770.44		
		<i>For Class 54 Rating, Add</i>	525.30		
		<i>For Class 55 Rating, Add</i>	1,167.57		
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,618.85		935.38
		<i>For Class 52 Rating, Deduct</i>	-792.18		
		<i>For Class 54 Rating, Add</i>	540.12		
		<i>For Class 55 Rating, Add</i>	1,200.51		
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,819.68		937.52
		<i>For Class 52 Rating, Deduct</i>	-813.91		
		<i>For Class 54 Rating, Add</i>	554.94		
		<i>For Class 55 Rating, Add</i>	1,233.45		
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,020.52		939.65
		<i>For Class 52 Rating, Deduct</i>	-835.65		
		<i>For Class 54 Rating, Add</i>	569.76		
		<i>For Class 55 Rating, Add</i>	1,266.39		
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,221.35		941.79
		<i>For Class 52 Rating, Deduct</i>	-857.38		
		<i>For Class 54 Rating, Add</i>	584.58		
		<i>For Class 55 Rating, Add</i>	1,299.33		
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,422.19		943.93
		<i>For Class 52 Rating, Deduct</i>	-879.12		
		<i>For Class 54 Rating, Add</i>	599.40		
		<i>For Class 55 Rating, Add</i>	1,332.27		
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,623.03		946.06
		<i>For Class 52 Rating, Deduct</i>	-900.86		
		<i>For Class 54 Rating, Add</i>	614.22		
		<i>For Class 55 Rating, Add</i>	1,365.21		
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,823.86		948.20
		<i>For Class 52 Rating, Deduct</i>	-922.59		
		<i>For Class 54 Rating, Add</i>	629.04		
		<i>For Class 55 Rating, Add</i>	1,398.15		
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,024.70		950.33
		<i>For Class 52 Rating, Deduct</i>	-944.33		
		<i>For Class 54 Rating, Add</i>	643.86		
		<i>For Class 55 Rating, Add</i>	1,431.09		
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,225.53		952.47
		<i>For Class 52 Rating, Deduct</i>	-966.06		
		<i>For Class 54 Rating, Add</i>	658.68		
		<i>For Class 55 Rating, Add</i>	1,464.03		
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,426.37		954.61
		<i>For Class 52 Rating, Deduct</i>	-987.80		
		<i>For Class 54 Rating, Add</i>	673.50		
		<i>For Class 55 Rating, Add</i>	1,496.97		
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,627.20		956.74
		<i>For Class 52 Rating, Deduct</i>	-1,009.54		
		<i>For Class 54 Rating, Add</i>	688.32		
		<i>For Class 55 Rating, Add</i>	1,529.91		
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,828.04		958.88
		<i>For Class 52 Rating, Deduct</i>	-1,031.27		
		<i>For Class 54 Rating, Add</i>	703.14		
		<i>For Class 55 Rating, Add</i>	1,562.85		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989 36" Flanged End x Grooved End (F&G), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990 EA 36" Flanged x Grooved (F&G), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,598.65	1,114.77
For Class 52 Rating, Deduct	-320.06	
For Class 54 Rating, Add	218.22	
For Class 55 Rating, Add	485.03	
40 05 19 00-0991 EA 36" Flanged x Grooved (F&G), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,870.69	1,116.90
For Class 52 Rating, Deduct	-349.62	
For Class 54 Rating, Add	238.38	
For Class 55 Rating, Add	529.84	
40 05 19 00-0992 EA 36" Flanged x Grooved (F&G), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,142.72	1,119.04
For Class 52 Rating, Deduct	-379.19	
For Class 54 Rating, Add	258.54	
For Class 55 Rating, Add	574.65	
40 05 19 00-0993 EA 36" Flanged x Grooved (F&G), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,414.76	1,121.18
For Class 52 Rating, Deduct	-408.76	
For Class 54 Rating, Add	278.70	
For Class 55 Rating, Add	619.46	
40 05 19 00-0994 EA 36" Flanged x Grooved (F&G), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,686.79	1,123.31
For Class 52 Rating, Deduct	-438.33	
For Class 54 Rating, Add	298.86	
For Class 55 Rating, Add	664.27	
40 05 19 00-0995 EA 36" Flanged x Grooved (F&G), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,958.83	1,125.45
For Class 52 Rating, Deduct	-467.90	
For Class 54 Rating, Add	319.02	
For Class 55 Rating, Add	709.08	
40 05 19 00-0996 EA 36" Flanged x Grooved (F&G), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,230.86	1,127.58
For Class 52 Rating, Deduct	-497.46	
For Class 54 Rating, Add	339.18	
For Class 55 Rating, Add	753.88	
40 05 19 00-0997 EA 36" Flanged x Grooved (F&G), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,502.90	1,129.72
For Class 52 Rating, Deduct	-527.03	
For Class 54 Rating, Add	359.34	
For Class 55 Rating, Add	798.69	
40 05 19 00-0998 EA 36" Flanged x Grooved (F&G), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,774.94	1,131.86
For Class 52 Rating, Deduct	-556.60	
For Class 54 Rating, Add	379.50	
For Class 55 Rating, Add	843.50	
40 05 19 00-0999 EA 36" Flanged x Grooved (F&G), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,046.97	1,133.99
For Class 52 Rating, Deduct	-586.17	
For Class 54 Rating, Add	399.66	
For Class 55 Rating, Add	888.31	
40 05 19 00-1000 EA 36" Flanged x Grooved (F&G), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,319.01	1,136.13
For Class 52 Rating, Deduct	-615.74	
For Class 54 Rating, Add	419.82	
For Class 55 Rating, Add	933.12	
40 05 19 00-1001 EA 36" Flanged x Grooved (F&G), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,591.04	1,138.26
For Class 52 Rating, Deduct	-645.30	
For Class 54 Rating, Add	439.98	
For Class 55 Rating, Add	977.93	
40 05 19 00-1002 EA 36" Flanged x Grooved (F&G), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,863.08	1,140.40
For Class 52 Rating, Deduct	-674.87	
For Class 54 Rating, Add	460.14	
For Class 55 Rating, Add	1,022.74	
40 05 19 00-1003 EA 36" Flanged x Grooved (F&G), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,135.11	1,142.54
For Class 52 Rating, Deduct	-704.44	
For Class 54 Rating, Add	480.30	
For Class 55 Rating, Add	1,067.55	
40 05 19 00-1004 EA 36" Flanged x Grooved (F&G), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,407.15	1,144.67
For Class 52 Rating, Deduct	-734.01	
For Class 54 Rating, Add	500.46	
For Class 55 Rating, Add	1,112.36	
40 05 19 00-1005 EA 36" Flanged x Grooved (F&G), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,679.18	1,146.81
For Class 52 Rating, Deduct	-763.58	
For Class 54 Rating, Add	520.62	
For Class 55 Rating, Add	1,157.16	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,951.22	1,148.94
			<i>For Class 52 Rating, Deduct</i>	-793.14	
			<i>For Class 54 Rating, Add</i>	540.78	
			<i>For Class 55 Rating, Add</i>	1,201.97	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,223.26	1,151.08
			<i>For Class 52 Rating, Deduct</i>	-822.71	
			<i>For Class 54 Rating, Add</i>	560.94	
			<i>For Class 55 Rating, Add</i>	1,246.78	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,495.29	1,153.21
			<i>For Class 52 Rating, Deduct</i>	-852.28	
			<i>For Class 54 Rating, Add</i>	581.10	
			<i>For Class 55 Rating, Add</i>	1,291.59	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,767.33	1,155.34
			<i>For Class 52 Rating, Deduct</i>	-881.85	
			<i>For Class 54 Rating, Add</i>	601.26	
			<i>For Class 55 Rating, Add</i>	1,336.40	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,039.36	1,157.48
			<i>For Class 52 Rating, Deduct</i>	-911.42	
			<i>For Class 54 Rating, Add</i>	621.42	
			<i>For Class 55 Rating, Add</i>	1,381.21	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,311.40	1,159.61
			<i>For Class 52 Rating, Deduct</i>	-940.98	
			<i>For Class 54 Rating, Add</i>	641.58	
			<i>For Class 55 Rating, Add</i>	1,426.02	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,583.43	1,161.75
			<i>For Class 52 Rating, Deduct</i>	-970.55	
			<i>For Class 54 Rating, Add</i>	661.74	
			<i>For Class 55 Rating, Add</i>	1,470.83	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,855.47	1,163.89
			<i>For Class 52 Rating, Deduct</i>	-1,000.12	
			<i>For Class 54 Rating, Add</i>	681.90	
			<i>For Class 55 Rating, Add</i>	1,515.64	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,127.51	1,166.02
			<i>For Class 52 Rating, Deduct</i>	-1,029.69	
			<i>For Class 54 Rating, Add</i>	702.06	
			<i>For Class 55 Rating, Add</i>	1,560.45	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,399.54	1,168.16
			<i>For Class 52 Rating, Deduct</i>	-1,059.26	
			<i>For Class 54 Rating, Add</i>	722.22	
			<i>For Class 55 Rating, Add</i>	1,605.25	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,671.58	1,170.29
			<i>For Class 52 Rating, Deduct</i>	-1,088.82	
			<i>For Class 54 Rating, Add</i>	742.38	
			<i>For Class 55 Rating, Add</i>	1,650.06	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,943.61	1,172.43
			<i>For Class 52 Rating, Deduct</i>	-1,118.39	
			<i>For Class 54 Rating, Add</i>	762.54	
			<i>For Class 55 Rating, Add</i>	1,694.87	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,215.65	1,174.56
			<i>For Class 52 Rating, Deduct</i>	-1,147.96	
			<i>For Class 54 Rating, Add</i>	782.70	
			<i>For Class 55 Rating, Add</i>	1,739.68	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,487.68	1,176.70
			<i>For Class 52 Rating, Deduct</i>	-1,177.53	
			<i>For Class 54 Rating, Add</i>	802.86	
			<i>For Class 55 Rating, Add</i>	1,784.49	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,759.72	1,178.84
			<i>For Class 52 Rating, Deduct</i>	-1,207.10	
			<i>For Class 54 Rating, Add</i>	823.02	
			<i>For Class 55 Rating, Add</i>	1,829.30	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,031.75	1,180.97
			<i>For Class 52 Rating, Deduct</i>	-1,236.66	
			<i>For Class 54 Rating, Add</i>	843.18	
			<i>For Class 55 Rating, Add</i>	1,874.11	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,303.79	1,183.11
			<i>For Class 52 Rating, Deduct</i>	-1,266.23	
			<i>For Class 54 Rating, Add</i>	863.34	
			<i>For Class 55 Rating, Add</i>	1,918.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,575.83	1,185.24
For Class 52 Rating, Deduct	-1,295.80	
For Class 54 Rating, Add	883.50	
For Class 55 Rating, Add	1,963.73	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,847.86	1,187.38
For Class 52 Rating, Deduct	-1,325.37	
For Class 54 Rating, Add	903.66	
For Class 55 Rating, Add	2,008.53	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,119.90	1,189.52
For Class 52 Rating, Deduct	-1,354.94	
For Class 54 Rating, Add	923.82	
For Class 55 Rating, Add	2,053.34	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,391.93	1,191.65
For Class 52 Rating, Deduct	-1,384.50	
For Class 54 Rating, Add	943.98	
For Class 55 Rating, Add	2,098.15	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,663.97	1,193.79
For Class 52 Rating, Deduct	-1,414.07	
For Class 54 Rating, Add	964.14	
For Class 55 Rating, Add	2,142.96	
40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	274.24	104.44
For Class 52 Rating, Deduct	-12.76	
For Class 54 Rating, Add	8.70	
For Class 55 Rating, Add	19.34	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	297.81	106.27
For Class 52 Rating, Deduct	-15.05	
For Class 54 Rating, Add	10.26	
For Class 55 Rating, Add	22.80	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	321.38	108.10
For Class 52 Rating, Deduct	-17.34	
For Class 54 Rating, Add	11.82	
For Class 55 Rating, Add	26.27	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	344.94	109.92
For Class 52 Rating, Deduct	-19.62	
For Class 54 Rating, Add	13.38	
For Class 55 Rating, Add	29.74	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	368.51	111.75
For Class 52 Rating, Deduct	-21.91	
For Class 54 Rating, Add	14.94	
For Class 55 Rating, Add	33.21	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	392.08	113.57
For Class 52 Rating, Deduct	-24.20	
For Class 54 Rating, Add	16.50	
For Class 55 Rating, Add	36.67	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	415.64	115.40
For Class 52 Rating, Deduct	-26.49	
For Class 54 Rating, Add	18.06	
For Class 55 Rating, Add	40.14	
40 05 19 00-1037 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	439.21	117.22
For Class 52 Rating, Deduct	-28.78	
For Class 54 Rating, Add	19.62	
For Class 55 Rating, Add	43.61	
40 05 19 00-1038 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	462.77	119.05
For Class 52 Rating, Deduct	-31.06	
For Class 54 Rating, Add	21.18	
For Class 55 Rating, Add	47.08	
40 05 19 00-1039 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	486.34	120.88
For Class 52 Rating, Deduct	-33.35	
For Class 54 Rating, Add	22.74	
For Class 55 Rating, Add	50.54	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	509.91	122.70
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	533.47	124.53
			For Class 52 Rating, Deduct	-37.93	
			For Class 54 Rating, Add	25.86	
			For Class 55 Rating, Add	57.48	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	557.04	126.36
			For Class 52 Rating, Deduct	-40.22	
			For Class 54 Rating, Add	27.42	
			For Class 55 Rating, Add	60.95	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	580.61	128.19
			For Class 52 Rating, Deduct	-42.50	
			For Class 54 Rating, Add	28.98	
			For Class 55 Rating, Add	64.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	604.17	130.01
			For Class 52 Rating, Deduct	-44.79	
			For Class 54 Rating, Add	30.54	
			For Class 55 Rating, Add	67.88	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	627.74	131.84
			For Class 52 Rating, Deduct	-47.08	
			For Class 54 Rating, Add	32.10	
			For Class 55 Rating, Add	71.35	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	651.31	133.65
			For Class 52 Rating, Deduct	-49.37	
			For Class 54 Rating, Add	33.66	
			For Class 55 Rating, Add	74.81	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	674.87	135.48
			For Class 52 Rating, Deduct	-51.66	
			For Class 54 Rating, Add	35.22	
			For Class 55 Rating, Add	78.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	698.44	137.30
			For Class 52 Rating, Deduct	-53.94	
			For Class 54 Rating, Add	36.78	
			For Class 55 Rating, Add	81.75	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	722.00	139.13
			For Class 52 Rating, Deduct	-56.23	
			For Class 54 Rating, Add	38.34	
			For Class 55 Rating, Add	85.22	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	745.57	140.96
			For Class 52 Rating, Deduct	-58.52	
			For Class 54 Rating, Add	39.90	
			For Class 55 Rating, Add	88.68	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	769.14	142.78
			For Class 52 Rating, Deduct	-60.81	
			For Class 54 Rating, Add	41.46	
			For Class 55 Rating, Add	92.15	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	792.70	144.61
			For Class 52 Rating, Deduct	-63.10	
			For Class 54 Rating, Add	43.02	
			For Class 55 Rating, Add	95.62	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	816.27	146.44
			For Class 52 Rating, Deduct	-65.38	
			For Class 54 Rating, Add	44.58	
			For Class 55 Rating, Add	99.09	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	839.84	148.26
			For Class 52 Rating, Deduct	-67.67	
			For Class 54 Rating, Add	46.14	
			For Class 55 Rating, Add	102.55	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	863.40	150.09
			For Class 52 Rating, Deduct	-69.96	
			For Class 54 Rating, Add	47.70	
			For Class 55 Rating, Add	106.02	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	886.97	151.92
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	910.54 -74.54 50.82 112.96	153.75
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	934.10 -76.82 52.38 116.42	155.56
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	957.67 -79.11 53.94 119.89	157.39
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	981.23 -81.40 55.50 123.36	159.22
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,004.80 -83.69 57.06 126.83	161.05
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,028.37 -85.98 58.62 130.29	162.87
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,051.93 -88.26 60.18 133.76	164.70
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,075.51 -90.55 61.74 137.23	166.53
40 05 19 00-1065 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,099.08 -92.84 63.30 140.69	168.35
40 05 19 00-1066 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,122.64 -95.13 64.86 144.16	170.18
40 05 19 00-1067 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,146.21 -97.42 66.42 147.63	172.01
40 05 19 00-1068 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,169.78 -99.70 67.98 151.10	173.84
40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070 EA 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	343.99 -15.93 10.86 24.14	131.47
40 05 19 00-1071 EA 6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	372.36 -18.74 12.78 28.41	133.30
40 05 19 00-1072 EA 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	400.72 -21.56 14.70 32.67	135.11
40 05 19 00-1073 EA 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	429.09 -24.38 16.62 36.94	136.94

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	457.45	138.77
			For Class 52 Rating, Deduct	-27.19	
			For Class 54 Rating, Add	18.54	
			For Class 55 Rating, Add	41.21	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	485.82	140.59
			For Class 52 Rating, Deduct	-30.01	
			For Class 54 Rating, Add	20.46	
			For Class 55 Rating, Add	45.48	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	514.19	142.42
			For Class 52 Rating, Deduct	-32.82	
			For Class 54 Rating, Add	22.38	
			For Class 55 Rating, Add	49.74	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	542.55	144.25
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	570.92	146.08
			For Class 52 Rating, Deduct	-38.46	
			For Class 54 Rating, Add	26.22	
			For Class 55 Rating, Add	58.28	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	599.29	147.90
			For Class 52 Rating, Deduct	-41.27	
			For Class 54 Rating, Add	28.14	
			For Class 55 Rating, Add	62.55	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	627.65	149.73
			For Class 52 Rating, Deduct	-44.09	
			For Class 54 Rating, Add	30.06	
			For Class 55 Rating, Add	66.81	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	656.02	151.56
			For Class 52 Rating, Deduct	-46.90	
			For Class 54 Rating, Add	31.98	
			For Class 55 Rating, Add	71.08	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	684.39	153.37
			For Class 52 Rating, Deduct	-49.72	
			For Class 54 Rating, Add	33.90	
			For Class 55 Rating, Add	75.35	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	712.75	155.20
			For Class 52 Rating, Deduct	-52.54	
			For Class 54 Rating, Add	35.82	
			For Class 55 Rating, Add	79.62	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	741.12	157.03
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	769.48	158.85
			For Class 52 Rating, Deduct	-58.17	
			For Class 54 Rating, Add	39.66	
			For Class 55 Rating, Add	88.15	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	797.85	160.68
			For Class 52 Rating, Deduct	-60.98	
			For Class 54 Rating, Add	41.58	
			For Class 55 Rating, Add	92.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	826.22	162.51
			For Class 52 Rating, Deduct	-63.80	
			For Class 54 Rating, Add	43.50	
			For Class 55 Rating, Add	96.69	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	854.58	164.33
			For Class 52 Rating, Deduct	-66.62	
			For Class 54 Rating, Add	45.42	
			For Class 55 Rating, Add	100.95	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	882.96	166.16
			For Class 52 Rating, Deduct	-69.43	
			For Class 54 Rating, Add	47.34	
			For Class 55 Rating, Add	105.22	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	911.33	167.98
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	939.69	169.81
For Class 52 Rating, Deduct	-75.06	
For Class 54 Rating, Add	51.18	
For Class 55 Rating, Add	113.76	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	968.06	171.64
For Class 52 Rating, Deduct	-77.88	
For Class 54 Rating, Add	53.10	
For Class 55 Rating, Add	118.02	
40 05 19 00-1093 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	996.43	173.46
For Class 52 Rating, Deduct	-80.70	
For Class 54 Rating, Add	55.02	
For Class 55 Rating, Add	122.29	
40 05 19 00-1094 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,024.79	175.28
For Class 52 Rating, Deduct	-83.51	
For Class 54 Rating, Add	56.94	
For Class 55 Rating, Add	126.56	
40 05 19 00-1095 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,053.16	177.11
For Class 52 Rating, Deduct	-86.33	
For Class 54 Rating, Add	58.86	
For Class 55 Rating, Add	130.83	
40 05 19 00-1096 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,081.52	178.94
For Class 52 Rating, Deduct	-89.14	
For Class 54 Rating, Add	60.78	
For Class 55 Rating, Add	135.09	
40 05 19 00-1097 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,109.89	180.76
For Class 52 Rating, Deduct	-91.96	
For Class 54 Rating, Add	62.70	
For Class 55 Rating, Add	139.36	
40 05 19 00-1098 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,138.26	182.59
For Class 52 Rating, Deduct	-94.78	
For Class 54 Rating, Add	64.62	
For Class 55 Rating, Add	143.63	
40 05 19 00-1099 EA 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.62	184.42
For Class 52 Rating, Deduct	-97.59	
For Class 54 Rating, Add	66.54	
For Class 55 Rating, Add	147.90	
40 05 19 00-1100 EA 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.99	186.24
For Class 52 Rating, Deduct	-100.41	
For Class 54 Rating, Add	68.46	
For Class 55 Rating, Add	152.16	
40 05 19 00-1101 EA 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,223.36	188.07
For Class 52 Rating, Deduct	-103.22	
For Class 54 Rating, Add	70.38	
For Class 55 Rating, Add	156.43	
40 05 19 00-1102 EA 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,251.72	189.90
For Class 52 Rating, Deduct	-106.04	
For Class 54 Rating, Add	72.30	
For Class 55 Rating, Add	160.70	
40 05 19 00-1103 EA 6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,280.09	191.73
For Class 52 Rating, Deduct	-108.86	
For Class 54 Rating, Add	74.22	
For Class 55 Rating, Add	164.97	
40 05 19 00-1104 EA 6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.46	193.55
For Class 52 Rating, Deduct	-111.67	
For Class 54 Rating, Add	76.14	
For Class 55 Rating, Add	169.23	
40 05 19 00-1105 EA 6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,336.82	195.37
For Class 52 Rating, Deduct	-114.49	
For Class 54 Rating, Add	78.06	
For Class 55 Rating, Add	173.50	
40 05 19 00-1106 EA 6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,365.19	197.20
For Class 52 Rating, Deduct	-117.30	
For Class 54 Rating, Add	79.98	
For Class 55 Rating, Add	177.77	
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,393.55	199.02
For Class 52 Rating, Deduct	-120.12	
For Class 54 Rating, Add	81.90	
For Class 55 Rating, Add	182.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,421.92	200.85
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-1109			8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	464.93	167.98
			<i>For Class 52 Rating, Deduct</i>	-23.14	
			<i>For Class 54 Rating, Add</i>	15.78	
			<i>For Class 55 Rating, Add</i>	35.07	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	502.89	169.81
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	540.86	171.64
			<i>For Class 52 Rating, Deduct</i>	-30.89	
			<i>For Class 54 Rating, Add</i>	21.06	
			<i>For Class 55 Rating, Add</i>	46.81	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	578.83	173.46
			<i>For Class 52 Rating, Deduct</i>	-34.76	
			<i>For Class 54 Rating, Add</i>	23.70	
			<i>For Class 55 Rating, Add</i>	52.68	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	616.79	175.28
			<i>For Class 52 Rating, Deduct</i>	-38.63	
			<i>For Class 54 Rating, Add</i>	26.34	
			<i>For Class 55 Rating, Add</i>	58.55	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	654.76	177.11
			<i>For Class 52 Rating, Deduct</i>	-42.50	
			<i>For Class 54 Rating, Add</i>	28.98	
			<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	692.72	178.94
			<i>For Class 52 Rating, Deduct</i>	-46.38	
			<i>For Class 54 Rating, Add</i>	31.62	
			<i>For Class 55 Rating, Add</i>	70.28	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	730.69	180.76
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	768.66	182.59
			<i>For Class 52 Rating, Deduct</i>	-54.12	
			<i>For Class 54 Rating, Add</i>	36.90	
			<i>For Class 55 Rating, Add</i>	82.02	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	806.62	184.42
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	844.59	186.24
			<i>For Class 52 Rating, Deduct</i>	-61.86	
			<i>For Class 54 Rating, Add</i>	42.18	
			<i>For Class 55 Rating, Add</i>	93.75	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	882.56	188.07
			<i>For Class 52 Rating, Deduct</i>	-65.74	
			<i>For Class 54 Rating, Add</i>	44.82	
			<i>For Class 55 Rating, Add</i>	99.62	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	920.52	189.90
			<i>For Class 52 Rating, Deduct</i>	-69.61	
			<i>For Class 54 Rating, Add</i>	47.46	
			<i>For Class 55 Rating, Add</i>	105.49	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	958.49	191.73
			<i>For Class 52 Rating, Deduct</i>	-73.48	
			<i>For Class 54 Rating, Add</i>	50.10	
			<i>For Class 55 Rating, Add</i>	111.36	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	996.46	193.55
			<i>For Class 52 Rating, Deduct</i>	-77.35	
			<i>For Class 54 Rating, Add</i>	52.74	
			<i>For Class 55 Rating, Add</i>	117.22	



Process Interconnections		40
Common Work Results For Process Interconnections		40 05
Ductile Iron Process Pipe		40 05 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,034.42	195.37
			For Class 52 Rating, Deduct	-81.22	
			For Class 54 Rating, Add	55.38	
			For Class 55 Rating, Add	123.09	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,072.39	197.20
			For Class 52 Rating, Deduct	-85.10	
			For Class 54 Rating, Add	58.02	
			For Class 55 Rating, Add	128.96	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,110.35	199.02
			For Class 52 Rating, Deduct	-88.97	
			For Class 54 Rating, Add	60.66	
			For Class 55 Rating, Add	134.83	
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.32	200.85
			For Class 52 Rating, Deduct	-92.84	
			For Class 54 Rating, Add	63.30	
			For Class 55 Rating, Add	140.69	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.29	202.68
			For Class 52 Rating, Deduct	-96.71	
			For Class 54 Rating, Add	65.94	
			For Class 55 Rating, Add	146.56	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,224.25	204.51
			For Class 52 Rating, Deduct	-100.58	
			For Class 54 Rating, Add	68.58	
			For Class 55 Rating, Add	152.43	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.22	206.33
			For Class 52 Rating, Deduct	-104.46	
			For Class 54 Rating, Add	71.22	
			For Class 55 Rating, Add	158.30	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.19	208.16
			For Class 52 Rating, Deduct	-108.33	
			For Class 54 Rating, Add	73.86	
			For Class 55 Rating, Add	164.17	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,338.15	209.98
			For Class 52 Rating, Deduct	-112.20	
			For Class 54 Rating, Add	76.50	
			For Class 55 Rating, Add	170.03	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.12	211.81
			For Class 52 Rating, Deduct	-116.07	
			For Class 54 Rating, Add	79.14	
			For Class 55 Rating, Add	175.90	
40 05 19 00-1135	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.09	213.63
			For Class 52 Rating, Deduct	-119.94	
			For Class 54 Rating, Add	81.78	
			For Class 55 Rating, Add	181.77	
40 05 19 00-1136	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.05	215.45
			For Class 52 Rating, Deduct	-123.82	
			For Class 54 Rating, Add	84.42	
			For Class 55 Rating, Add	187.64	
40 05 19 00-1137	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,490.02	217.28
			For Class 52 Rating, Deduct	-127.69	
			For Class 54 Rating, Add	87.06	
			For Class 55 Rating, Add	193.51	
40 05 19 00-1138	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,527.98	219.10
			For Class 52 Rating, Deduct	-131.56	
			For Class 54 Rating, Add	89.70	
			For Class 55 Rating, Add	199.37	
40 05 19 00-1139	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,565.95	220.93
			For Class 52 Rating, Deduct	-135.43	
			For Class 54 Rating, Add	92.34	
			For Class 55 Rating, Add	205.24	
40 05 19 00-1140	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,603.92	222.76
			For Class 52 Rating, Deduct	-139.30	
			For Class 54 Rating, Add	94.98	
			For Class 55 Rating, Add	211.11	
40 05 19 00-1141	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.88	224.59
			For Class 52 Rating, Deduct	-143.18	
			For Class 54 Rating, Add	97.62	
			For Class 55 Rating, Add	216.98	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,679.85	226.41
			For Class 52 Rating, Deduct	-147.05	
			For Class 54 Rating, Add	100.26	
			For Class 55 Rating, Add	222.84	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,717.82	228.24
			For Class 52 Rating, Deduct	-150.92	
			For Class 54 Rating, Add	102.90	
			For Class 55 Rating, Add	228.71	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,755.78	230.07
			For Class 52 Rating, Deduct	-154.79	
			For Class 54 Rating, Add	105.54	
			For Class 55 Rating, Add	234.58	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,793.75	231.89
			For Class 52 Rating, Deduct	-158.66	
			For Class 54 Rating, Add	108.18	
			For Class 55 Rating, Add	240.45	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,831.72	233.72
			For Class 52 Rating, Deduct	-162.54	
			For Class 54 Rating, Add	110.82	
			For Class 55 Rating, Add	246.32	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,869.68	235.55
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.18	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,907.65	237.37
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	581.05	204.51
			For Class 52 Rating, Deduct	-29.83	
			For Class 54 Rating, Add	20.34	
			For Class 55 Rating, Add	45.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	630.22	206.33
			For Class 52 Rating, Deduct	-34.94	
			For Class 54 Rating, Add	23.82	
			For Class 55 Rating, Add	52.94	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	679.39	208.16
			For Class 52 Rating, Deduct	-40.04	
			For Class 54 Rating, Add	27.30	
			For Class 55 Rating, Add	60.68	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	728.55	209.98
			For Class 52 Rating, Deduct	-45.14	
			For Class 54 Rating, Add	30.78	
			For Class 55 Rating, Add	68.41	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	777.72	211.81
			For Class 52 Rating, Deduct	-50.25	
			For Class 54 Rating, Add	34.26	
			For Class 55 Rating, Add	76.15	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	826.89	213.63
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	876.05	215.45
			For Class 52 Rating, Deduct	-60.46	
			For Class 54 Rating, Add	41.22	
			For Class 55 Rating, Add	91.62	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	925.22	217.28
			For Class 52 Rating, Deduct	-65.56	
			For Class 54 Rating, Add	44.70	
			For Class 55 Rating, Add	99.35	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	974.38	219.10
			For Class 52 Rating, Deduct	-70.66	
			For Class 54 Rating, Add	48.18	
			For Class 55 Rating, Add	107.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159 EA 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,023.55	220.93
<i>For Class 52 Rating, Deduct</i>	-75.77	
<i>For Class 54 Rating, Add</i>	51.66	
<i>For Class 55 Rating, Add</i>	114.82	
40 05 19 00-1160 EA 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,072.72	222.76
<i>For Class 52 Rating, Deduct</i>	-80.87	
<i>For Class 54 Rating, Add</i>	55.14	
<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-1161 EA 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.88	224.59
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1162 EA 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,171.05	226.41
<i>For Class 52 Rating, Deduct</i>	-91.08	
<i>For Class 54 Rating, Add</i>	62.10	
<i>For Class 55 Rating, Add</i>	138.03	
40 05 19 00-1163 EA 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,220.22	228.24
<i>For Class 52 Rating, Deduct</i>	-96.18	
<i>For Class 54 Rating, Add</i>	65.58	
<i>For Class 55 Rating, Add</i>	145.76	
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,269.38	230.07
<i>For Class 52 Rating, Deduct</i>	-101.29	
<i>For Class 54 Rating, Add</i>	69.06	
<i>For Class 55 Rating, Add</i>	153.50	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,318.55	231.89
<i>For Class 52 Rating, Deduct</i>	-106.39	
<i>For Class 54 Rating, Add</i>	72.54	
<i>For Class 55 Rating, Add</i>	161.23	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,367.72	233.72
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.88	235.55
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.05	237.37
<i>For Class 52 Rating, Deduct</i>	-121.70	
<i>For Class 54 Rating, Add</i>	82.98	
<i>For Class 55 Rating, Add</i>	184.44	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.21	239.19
<i>For Class 52 Rating, Deduct</i>	-126.81	
<i>For Class 54 Rating, Add</i>	86.46	
<i>For Class 55 Rating, Add</i>	192.17	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,564.38	241.02
<i>For Class 52 Rating, Deduct</i>	-131.91	
<i>For Class 54 Rating, Add</i>	89.94	
<i>For Class 55 Rating, Add</i>	199.91	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.55	242.85
<i>For Class 52 Rating, Deduct</i>	-137.02	
<i>For Class 54 Rating, Add</i>	93.42	
<i>For Class 55 Rating, Add</i>	207.64	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,662.71	244.67
<i>For Class 52 Rating, Deduct</i>	-142.12	
<i>For Class 54 Rating, Add</i>	96.90	
<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,711.88	246.50
<i>For Class 52 Rating, Deduct</i>	-147.22	
<i>For Class 54 Rating, Add</i>	100.38	
<i>For Class 55 Rating, Add</i>	223.11	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,761.05	248.33
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.21	250.16
<i>For Class 52 Rating, Deduct</i>	-157.43	
<i>For Class 54 Rating, Add</i>	107.34	
<i>For Class 55 Rating, Add</i>	238.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,859.38	251.98
<i>For Class 52 Rating, Deduct</i>	-162.54	
<i>For Class 54 Rating, Add</i>	110.82	
<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1177 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.55	253.81
<i>For Class 52 Rating, Deduct</i>	-167.64	
<i>For Class 54 Rating, Add</i>	114.30	
<i>For Class 55 Rating, Add</i>	254.05	
40 05 19 00-1178 EA 10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.71	255.63
<i>For Class 52 Rating, Deduct</i>	-172.74	
<i>For Class 54 Rating, Add</i>	117.78	
<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-1179 EA 10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,006.88	257.45
<i>For Class 52 Rating, Deduct</i>	-177.85	
<i>For Class 54 Rating, Add</i>	121.26	
<i>For Class 55 Rating, Add</i>	269.52	
40 05 19 00-1180 EA 10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,056.05	259.27
<i>For Class 52 Rating, Deduct</i>	-182.95	
<i>For Class 54 Rating, Add</i>	124.74	
<i>For Class 55 Rating, Add</i>	277.26	
40 05 19 00-1181 EA 10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,105.21	261.10
<i>For Class 52 Rating, Deduct</i>	-188.06	
<i>For Class 54 Rating, Add</i>	128.22	
<i>For Class 55 Rating, Add</i>	284.99	
40 05 19 00-1182 EA 10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,154.38	262.93
<i>For Class 52 Rating, Deduct</i>	-193.16	
<i>For Class 54 Rating, Add</i>	131.70	
<i>For Class 55 Rating, Add</i>	292.73	
40 05 19 00-1183 EA 10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,203.54	264.75
<i>For Class 52 Rating, Deduct</i>	-198.26	
<i>For Class 54 Rating, Add</i>	135.18	
<i>For Class 55 Rating, Add</i>	300.46	
40 05 19 00-1184 EA 10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,252.71	266.58
<i>For Class 52 Rating, Deduct</i>	-203.37	
<i>For Class 54 Rating, Add</i>	138.66	
<i>For Class 55 Rating, Add</i>	308.19	
40 05 19 00-1185 EA 10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,301.88	268.41
<i>For Class 52 Rating, Deduct</i>	-208.47	
<i>For Class 54 Rating, Add</i>	142.14	
<i>For Class 55 Rating, Add</i>	315.93	
40 05 19 00-1186 EA 10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,351.04	270.24
<i>For Class 52 Rating, Deduct</i>	-213.58	
<i>For Class 54 Rating, Add</i>	145.62	
<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1187 EA 10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,400.21	272.06
<i>For Class 52 Rating, Deduct</i>	-218.68	
<i>For Class 54 Rating, Add</i>	149.10	
<i>For Class 55 Rating, Add</i>	331.40	
40 05 19 00-1188 EA 10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,449.38	273.89
<i>For Class 52 Rating, Deduct</i>	-223.78	
<i>For Class 54 Rating, Add</i>	152.58	
<i>For Class 55 Rating, Add</i>	339.13	
40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190 EA 12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	748.91	255.63
<i>For Class 52 Rating, Deduct</i>	-39.78	
<i>For Class 54 Rating, Add</i>	27.12	
<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-1191 EA 12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	810.08	257.45
<i>For Class 52 Rating, Deduct</i>	-46.20	
<i>For Class 54 Rating, Add</i>	31.50	
<i>For Class 55 Rating, Add</i>	70.01	
40 05 19 00-1192 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	871.25	259.27
<i>For Class 52 Rating, Deduct</i>	-52.62	
<i>For Class 54 Rating, Add</i>	35.88	
<i>For Class 55 Rating, Add</i>	79.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.41	261.10
<i>For Class 52 Rating, Deduct</i>	-59.05	
<i>For Class 54 Rating, Add</i>	40.26	
<i>For Class 55 Rating, Add</i>	89.48	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.58	262.93
<i>For Class 52 Rating, Deduct</i>	-65.47	
<i>For Class 54 Rating, Add</i>	44.64	
<i>For Class 55 Rating, Add</i>	99.22	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.74	264.75
<i>For Class 52 Rating, Deduct</i>	-71.90	
<i>For Class 54 Rating, Add</i>	49.02	
<i>For Class 55 Rating, Add</i>	108.96	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,115.91	266.58
<i>For Class 52 Rating, Deduct</i>	-78.32	
<i>For Class 54 Rating, Add</i>	53.40	
<i>For Class 55 Rating, Add</i>	118.69	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,177.08	268.41
<i>For Class 52 Rating, Deduct</i>	-84.74	
<i>For Class 54 Rating, Add</i>	57.78	
<i>For Class 55 Rating, Add</i>	128.43	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.24	270.24
<i>For Class 52 Rating, Deduct</i>	-91.17	
<i>For Class 54 Rating, Add</i>	62.16	
<i>For Class 55 Rating, Add</i>	138.16	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,299.41	272.06
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.58	273.89
<i>For Class 52 Rating, Deduct</i>	-104.02	
<i>For Class 54 Rating, Add</i>	70.92	
<i>For Class 55 Rating, Add</i>	157.63	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,421.75	275.72
<i>For Class 52 Rating, Deduct</i>	-110.44	
<i>For Class 54 Rating, Add</i>	75.30	
<i>For Class 55 Rating, Add</i>	167.37	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,482.92	277.53
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	79.68	
<i>For Class 55 Rating, Add</i>	177.10	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,544.09	279.36
<i>For Class 52 Rating, Deduct</i>	-123.29	
<i>For Class 54 Rating, Add</i>	84.06	
<i>For Class 55 Rating, Add</i>	186.84	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.25	281.19
<i>For Class 52 Rating, Deduct</i>	-129.71	
<i>For Class 54 Rating, Add</i>	88.44	
<i>For Class 55 Rating, Add</i>	196.57	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.42	283.02
<i>For Class 52 Rating, Deduct</i>	-136.14	
<i>For Class 54 Rating, Add</i>	92.82	
<i>For Class 55 Rating, Add</i>	206.31	
40 05 19 00-1206 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.58	284.84
<i>For Class 52 Rating, Deduct</i>	-142.56	
<i>For Class 54 Rating, Add</i>	97.20	
<i>For Class 55 Rating, Add</i>	216.04	
40 05 19 00-1207 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,788.75	286.67
<i>For Class 52 Rating, Deduct</i>	-148.98	
<i>For Class 54 Rating, Add</i>	101.58	
<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-1208 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.92	288.50
<i>For Class 52 Rating, Deduct</i>	-155.41	
<i>For Class 54 Rating, Add</i>	105.96	
<i>For Class 55 Rating, Add</i>	235.51	
40 05 19 00-1209 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,911.08	290.32
<i>For Class 52 Rating, Deduct</i>	-161.83	
<i>For Class 54 Rating, Add</i>	110.34	
<i>For Class 55 Rating, Add</i>	245.25	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,972.25	292.15
			<i>For Class 52 Rating, Deduct</i>	-168.26	
			<i>For Class 54 Rating, Add</i>	114.72	
			<i>For Class 55 Rating, Add</i>	254.98	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.42	293.98
			<i>For Class 52 Rating, Deduct</i>	-174.68	
			<i>For Class 54 Rating, Add</i>	119.10	
			<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,094.58	295.81
			<i>For Class 52 Rating, Deduct</i>	-181.10	
			<i>For Class 54 Rating, Add</i>	123.48	
			<i>For Class 55 Rating, Add</i>	274.45	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.75	297.62
			<i>For Class 52 Rating, Deduct</i>	-187.53	
			<i>For Class 54 Rating, Add</i>	127.86	
			<i>For Class 55 Rating, Add</i>	284.19	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.92	299.45
			<i>For Class 52 Rating, Deduct</i>	-193.95	
			<i>For Class 54 Rating, Add</i>	132.24	
			<i>For Class 55 Rating, Add</i>	293.93	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,278.08	301.27
			<i>For Class 52 Rating, Deduct</i>	-200.38	
			<i>For Class 54 Rating, Add</i>	136.62	
			<i>For Class 55 Rating, Add</i>	303.66	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.25	303.10
			<i>For Class 52 Rating, Deduct</i>	-206.80	
			<i>For Class 54 Rating, Add</i>	141.00	
			<i>For Class 55 Rating, Add</i>	313.40	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,400.41	304.92
			<i>For Class 52 Rating, Deduct</i>	-213.22	
			<i>For Class 54 Rating, Add</i>	145.38	
			<i>For Class 55 Rating, Add</i>	323.13	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,461.58	306.75
			<i>For Class 52 Rating, Deduct</i>	-219.65	
			<i>For Class 54 Rating, Add</i>	149.76	
			<i>For Class 55 Rating, Add</i>	332.87	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,522.75	308.58
			<i>For Class 52 Rating, Deduct</i>	-226.07	
			<i>For Class 54 Rating, Add</i>	154.14	
			<i>For Class 55 Rating, Add</i>	342.60	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,583.91	310.40
			<i>For Class 52 Rating, Deduct</i>	-232.50	
			<i>For Class 54 Rating, Add</i>	158.52	
			<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,645.08	312.23
			<i>For Class 52 Rating, Deduct</i>	-238.92	
			<i>For Class 54 Rating, Add</i>	162.90	
			<i>For Class 55 Rating, Add</i>	362.07	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,706.25	314.06
			<i>For Class 52 Rating, Deduct</i>	-245.34	
			<i>For Class 54 Rating, Add</i>	167.28	
			<i>For Class 55 Rating, Add</i>	371.81	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,767.41	315.89
			<i>For Class 52 Rating, Deduct</i>	-251.77	
			<i>For Class 54 Rating, Add</i>	171.66	
			<i>For Class 55 Rating, Add</i>	381.54	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,828.58	317.70
			<i>For Class 52 Rating, Deduct</i>	-258.19	
			<i>For Class 54 Rating, Add</i>	176.04	
			<i>For Class 55 Rating, Add</i>	391.28	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,889.75	319.53
			<i>For Class 52 Rating, Deduct</i>	-264.62	
			<i>For Class 54 Rating, Add</i>	180.42	
			<i>For Class 55 Rating, Add</i>	401.01	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,950.91	321.36
			<i>For Class 52 Rating, Deduct</i>	-271.04	
			<i>For Class 54 Rating, Add</i>	184.80	
			<i>For Class 55 Rating, Add</i>	410.75	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,012.08	323.18
<i>For Class 52 Rating, Deduct</i>	-277.46	
<i>For Class 54 Rating, Add</i>	189.18	
<i>For Class 55 Rating, Add</i>	420.48	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.24	325.01
<i>For Class 52 Rating, Deduct</i>	-283.89	
<i>For Class 54 Rating, Add</i>	193.56	
<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	980.78	306.75
<i>For Class 52 Rating, Deduct</i>	-56.76	
<i>For Class 54 Rating, Add</i>	38.70	
<i>For Class 55 Rating, Add</i>	86.02	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.75	308.58
<i>For Class 52 Rating, Deduct</i>	-64.59	
<i>For Class 54 Rating, Add</i>	44.04	
<i>For Class 55 Rating, Add</i>	97.89	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.71	310.40
<i>For Class 52 Rating, Deduct</i>	-72.42	
<i>For Class 54 Rating, Add</i>	49.38	
<i>For Class 55 Rating, Add</i>	109.76	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,202.68	312.23
<i>For Class 52 Rating, Deduct</i>	-80.26	
<i>For Class 54 Rating, Add</i>	54.72	
<i>For Class 55 Rating, Add</i>	121.62	
40 05 19 00-1234 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,276.65	314.06
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-1235 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.61	315.89
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-1236 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.58	317.70
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1237 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.55	319.53
<i>For Class 52 Rating, Deduct</i>	-111.58	
<i>For Class 54 Rating, Add</i>	76.08	
<i>For Class 55 Rating, Add</i>	169.10	
40 05 19 00-1238 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,572.51	321.36
<i>For Class 52 Rating, Deduct</i>	-119.42	
<i>For Class 54 Rating, Add</i>	81.42	
<i>For Class 55 Rating, Add</i>	180.97	
40 05 19 00-1239 EA 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.48	323.18
<i>For Class 52 Rating, Deduct</i>	-127.25	
<i>For Class 54 Rating, Add</i>	86.76	
<i>For Class 55 Rating, Add</i>	192.84	
40 05 19 00-1240 EA 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,720.44	325.01
<i>For Class 52 Rating, Deduct</i>	-135.08	
<i>For Class 54 Rating, Add</i>	92.10	
<i>For Class 55 Rating, Add</i>	204.71	
40 05 19 00-1241 EA 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,794.41	326.84
<i>For Class 52 Rating, Deduct</i>	-142.91	
<i>For Class 54 Rating, Add</i>	97.44	
<i>For Class 55 Rating, Add</i>	216.58	
40 05 19 00-1242 EA 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,868.38	328.67
<i>For Class 52 Rating, Deduct</i>	-150.74	
<i>For Class 54 Rating, Add</i>	102.78	
<i>For Class 55 Rating, Add</i>	228.45	
40 05 19 00-1243 EA 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.34	330.49
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,016.31	332.32
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.18	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,090.28	334.15
			For Class 52 Rating, Deduct	-174.24	
			For Class 54 Rating, Add	118.80	
			For Class 55 Rating, Add	264.05	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,164.24	335.97
			For Class 52 Rating, Deduct	-182.07	
			For Class 54 Rating, Add	124.14	
			For Class 55 Rating, Add	275.92	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,238.21	337.80
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,312.18	339.62
			For Class 52 Rating, Deduct	-197.74	
			For Class 54 Rating, Add	134.82	
			For Class 55 Rating, Add	299.66	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,386.14	341.45
			For Class 52 Rating, Deduct	-205.57	
			For Class 54 Rating, Add	140.16	
			For Class 55 Rating, Add	311.53	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,460.11	343.27
			For Class 52 Rating, Deduct	-213.40	
			For Class 54 Rating, Add	145.50	
			For Class 55 Rating, Add	323.40	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,534.07	345.10
			For Class 52 Rating, Deduct	-221.23	
			For Class 54 Rating, Add	150.84	
			For Class 55 Rating, Add	335.27	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,608.04	346.92
			For Class 52 Rating, Deduct	-229.06	
			For Class 54 Rating, Add	156.18	
			For Class 55 Rating, Add	347.14	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,682.01	348.75
			For Class 52 Rating, Deduct	-236.90	
			For Class 54 Rating, Add	161.52	
			For Class 55 Rating, Add	359.01	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,755.97	350.58
			For Class 52 Rating, Deduct	-244.73	
			For Class 54 Rating, Add	166.86	
			For Class 55 Rating, Add	370.87	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,829.94	352.40
			For Class 52 Rating, Deduct	-252.56	
			For Class 54 Rating, Add	172.20	
			For Class 55 Rating, Add	382.74	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,903.91	354.23
			For Class 52 Rating, Deduct	-260.39	
			For Class 54 Rating, Add	177.54	
			For Class 55 Rating, Add	394.61	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,977.87	356.05
			For Class 52 Rating, Deduct	-268.22	
			For Class 54 Rating, Add	182.88	
			For Class 55 Rating, Add	406.48	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,051.84	357.88
			For Class 52 Rating, Deduct	-276.06	
			For Class 54 Rating, Add	188.22	
			For Class 55 Rating, Add	418.35	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,125.81	359.70
			For Class 52 Rating, Deduct	-283.89	
			For Class 54 Rating, Add	193.56	
			For Class 55 Rating, Add	430.22	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,199.77	361.53
			For Class 52 Rating, Deduct	-291.72	
			For Class 54 Rating, Add	198.90	
			For Class 55 Rating, Add	442.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.74	363.35
<i>For Class 52 Rating, Deduct</i>	-299.55	
<i>For Class 54 Rating, Add</i>	204.24	
<i>For Class 55 Rating, Add</i>	453.96	
40 05 19 00-1262 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,347.70	365.18
<i>For Class 52 Rating, Deduct</i>	-307.38	
<i>For Class 54 Rating, Add</i>	209.58	
<i>For Class 55 Rating, Add</i>	465.83	
40 05 19 00-1263 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.67	367.01
<i>For Class 52 Rating, Deduct</i>	-315.22	
<i>For Class 54 Rating, Add</i>	214.92	
<i>For Class 55 Rating, Add</i>	477.70	
40 05 19 00-1264 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,495.64	368.83
<i>For Class 52 Rating, Deduct</i>	-323.05	
<i>For Class 54 Rating, Add</i>	220.26	
<i>For Class 55 Rating, Add</i>	489.56	
40 05 19 00-1265 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,569.60	370.66
<i>For Class 52 Rating, Deduct</i>	-330.88	
<i>For Class 54 Rating, Add</i>	225.60	
<i>For Class 55 Rating, Add</i>	501.43	
40 05 19 00-1266 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,643.57	372.49
<i>For Class 52 Rating, Deduct</i>	-338.71	
<i>For Class 54 Rating, Add</i>	230.94	
<i>For Class 55 Rating, Add</i>	513.30	
40 05 19 00-1267 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,717.54	374.32
<i>For Class 52 Rating, Deduct</i>	-346.54	
<i>For Class 54 Rating, Add</i>	236.28	
<i>For Class 55 Rating, Add</i>	525.17	
 40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1269 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,141.57	350.58
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-1270 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,227.54	352.40
<i>For Class 52 Rating, Deduct</i>	-76.30	
<i>For Class 54 Rating, Add</i>	52.02	
<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-1271 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,313.51	354.23
<i>For Class 52 Rating, Deduct</i>	-85.45	
<i>For Class 54 Rating, Add</i>	58.26	
<i>For Class 55 Rating, Add</i>	129.49	
40 05 19 00-1272 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,399.47	356.05
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-1273 EA 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.44	357.88
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1274 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,571.41	359.70
<i>For Class 52 Rating, Deduct</i>	-112.90	
<i>For Class 54 Rating, Add</i>	76.98	
<i>For Class 55 Rating, Add</i>	171.10	
40 05 19 00-1275 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,657.37	361.53
<i>For Class 52 Rating, Deduct</i>	-122.06	
<i>For Class 54 Rating, Add</i>	83.22	
<i>For Class 55 Rating, Add</i>	184.97	
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,743.34	363.35
<i>For Class 52 Rating, Deduct</i>	-131.21	
<i>For Class 54 Rating, Add</i>	89.46	
<i>For Class 55 Rating, Add</i>	198.84	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.30	365.18
<i>For Class 52 Rating, Deduct</i>	-140.36	
<i>For Class 54 Rating, Add</i>	95.70	
<i>For Class 55 Rating, Add</i>	212.71	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,915.27	367.01
		<i>For Class 52 Rating, Deduct</i>	-149.51	
		<i>For Class 54 Rating, Add</i>	101.94	
		<i>For Class 55 Rating, Add</i>	226.58	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,001.24	368.83
		<i>For Class 52 Rating, Deduct</i>	-158.66	
		<i>For Class 54 Rating, Add</i>	108.18	
		<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,087.20	370.66
		<i>For Class 52 Rating, Deduct</i>	-167.82	
		<i>For Class 54 Rating, Add</i>	114.42	
		<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,173.17	372.49
		<i>For Class 52 Rating, Deduct</i>	-176.97	
		<i>For Class 54 Rating, Add</i>	120.66	
		<i>For Class 55 Rating, Add</i>	268.19	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,259.14	374.32
		<i>For Class 52 Rating, Deduct</i>	-186.12	
		<i>For Class 54 Rating, Add</i>	126.90	
		<i>For Class 55 Rating, Add</i>	282.06	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,345.10	376.14
		<i>For Class 52 Rating, Deduct</i>	-195.27	
		<i>For Class 54 Rating, Add</i>	133.14	
		<i>For Class 55 Rating, Add</i>	295.93	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,431.07	377.97
		<i>For Class 52 Rating, Deduct</i>	-204.42	
		<i>For Class 54 Rating, Add</i>	139.38	
		<i>For Class 55 Rating, Add</i>	309.80	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,517.04	379.79
		<i>For Class 52 Rating, Deduct</i>	-213.58	
		<i>For Class 54 Rating, Add</i>	145.62	
		<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,603.00	381.61
		<i>For Class 52 Rating, Deduct</i>	-222.73	
		<i>For Class 54 Rating, Add</i>	151.86	
		<i>For Class 55 Rating, Add</i>	337.53	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.97	383.44
		<i>For Class 52 Rating, Deduct</i>	-231.88	
		<i>For Class 54 Rating, Add</i>	158.10	
		<i>For Class 55 Rating, Add</i>	351.40	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.93	385.27
		<i>For Class 52 Rating, Deduct</i>	-241.03	
		<i>For Class 54 Rating, Add</i>	164.34	
		<i>For Class 55 Rating, Add</i>	365.27	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.91	387.10
		<i>For Class 52 Rating, Deduct</i>	-250.18	
		<i>For Class 54 Rating, Add</i>	170.58	
		<i>For Class 55 Rating, Add</i>	379.14	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.88	388.92
		<i>For Class 52 Rating, Deduct</i>	-259.34	
		<i>For Class 54 Rating, Add</i>	176.82	
		<i>For Class 55 Rating, Add</i>	393.01	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.84	390.75
		<i>For Class 52 Rating, Deduct</i>	-268.49	
		<i>For Class 54 Rating, Add</i>	183.06	
		<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,118.81	392.57
		<i>For Class 52 Rating, Deduct</i>	-277.64	
		<i>For Class 54 Rating, Add</i>	189.30	
		<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,204.78	394.40
		<i>For Class 52 Rating, Deduct</i>	-286.79	
		<i>For Class 54 Rating, Add</i>	195.54	
		<i>For Class 55 Rating, Add</i>	434.62	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,290.74	396.23
		<i>For Class 52 Rating, Deduct</i>	-295.94	
		<i>For Class 54 Rating, Add</i>	201.78	
		<i>For Class 55 Rating, Add</i>	448.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,376.71	398.05
For Class 52 Rating, Deduct	-305.10	
For Class 54 Rating, Add	208.02	
For Class 55 Rating, Add	462.36	
40 05 19 00-1296 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,462.68	399.88
For Class 52 Rating, Deduct	-314.25	
For Class 54 Rating, Add	214.26	
For Class 55 Rating, Add	476.23	
40 05 19 00-1297 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,548.64	401.69
For Class 52 Rating, Deduct	-323.40	
For Class 54 Rating, Add	220.50	
For Class 55 Rating, Add	490.10	
40 05 19 00-1298 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,634.61	403.52
For Class 52 Rating, Deduct	-332.55	
For Class 54 Rating, Add	226.74	
For Class 55 Rating, Add	503.97	
40 05 19 00-1299 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.58	405.35
For Class 52 Rating, Deduct	-341.70	
For Class 54 Rating, Add	232.98	
For Class 55 Rating, Add	517.84	
40 05 19 00-1300 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,806.54	407.18
For Class 52 Rating, Deduct	-350.86	
For Class 54 Rating, Add	239.22	
For Class 55 Rating, Add	531.71	
40 05 19 00-1301 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,892.51	409.00
For Class 52 Rating, Deduct	-360.01	
For Class 54 Rating, Add	245.46	
For Class 55 Rating, Add	545.58	
40 05 19 00-1302 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.47	410.83
For Class 52 Rating, Deduct	-369.16	
For Class 54 Rating, Add	251.70	
For Class 55 Rating, Add	559.45	
40 05 19 00-1303 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,064.44	412.66
For Class 52 Rating, Deduct	-378.31	
For Class 54 Rating, Add	257.94	
For Class 55 Rating, Add	573.31	
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,150.41	414.48
For Class 52 Rating, Deduct	-387.46	
For Class 54 Rating, Add	264.18	
For Class 55 Rating, Add	587.18	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,236.37	416.31
For Class 52 Rating, Deduct	-396.62	
For Class 54 Rating, Add	270.42	
For Class 55 Rating, Add	601.05	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,322.34	418.14
For Class 52 Rating, Deduct	-405.77	
For Class 54 Rating, Add	276.66	
For Class 55 Rating, Add	614.92	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,314.68	395.13
For Class 52 Rating, Deduct	-78.76	
For Class 54 Rating, Add	53.70	
For Class 55 Rating, Add	119.36	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,413.45	396.96
For Class 52 Rating, Deduct	-89.32	
For Class 54 Rating, Add	60.90	
For Class 55 Rating, Add	135.36	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,512.22	398.78
For Class 52 Rating, Deduct	-99.88	
For Class 54 Rating, Add	68.10	
For Class 55 Rating, Add	151.36	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.98	400.60
For Class 52 Rating, Deduct	-110.44	
For Class 54 Rating, Add	75.30	
For Class 55 Rating, Add	167.37	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,709.75	402.43
			<i>For Class 52 Rating, Deduct</i>	-121.00	
			<i>For Class 54 Rating, Add</i>	82.50	
			<i>For Class 55 Rating, Add</i>	183.37	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,808.52	404.25
			<i>For Class 52 Rating, Deduct</i>	-131.56	
			<i>For Class 54 Rating, Add</i>	89.70	
			<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,907.28	406.08
			<i>For Class 52 Rating, Deduct</i>	-142.12	
			<i>For Class 54 Rating, Add</i>	96.90	
			<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,006.05	407.91
			<i>For Class 52 Rating, Deduct</i>	-152.68	
			<i>For Class 54 Rating, Add</i>	104.10	
			<i>For Class 55 Rating, Add</i>	231.38	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,104.82	409.74
			<i>For Class 52 Rating, Deduct</i>	-163.24	
			<i>For Class 54 Rating, Add</i>	111.30	
			<i>For Class 55 Rating, Add</i>	247.38	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,203.58	411.56
			<i>For Class 52 Rating, Deduct</i>	-173.80	
			<i>For Class 54 Rating, Add</i>	118.50	
			<i>For Class 55 Rating, Add</i>	263.39	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,302.35	413.39
			<i>For Class 52 Rating, Deduct</i>	-184.36	
			<i>For Class 54 Rating, Add</i>	125.70	
			<i>For Class 55 Rating, Add</i>	279.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,401.11	415.22
			<i>For Class 52 Rating, Deduct</i>	-194.92	
			<i>For Class 54 Rating, Add</i>	132.90	
			<i>For Class 55 Rating, Add</i>	295.39	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,499.88	417.04
			<i>For Class 52 Rating, Deduct</i>	-205.48	
			<i>For Class 54 Rating, Add</i>	140.10	
			<i>For Class 55 Rating, Add</i>	311.40	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,598.65	418.87
			<i>For Class 52 Rating, Deduct</i>	-216.04	
			<i>For Class 54 Rating, Add</i>	147.30	
			<i>For Class 55 Rating, Add</i>	327.40	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,697.41	420.69
			<i>For Class 52 Rating, Deduct</i>	-226.60	
			<i>For Class 54 Rating, Add</i>	154.50	
			<i>For Class 55 Rating, Add</i>	343.40	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,796.18	422.52
			<i>For Class 52 Rating, Deduct</i>	-237.16	
			<i>For Class 54 Rating, Add</i>	161.70	
			<i>For Class 55 Rating, Add</i>	359.41	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,894.95	424.34
			<i>For Class 52 Rating, Deduct</i>	-247.72	
			<i>For Class 54 Rating, Add</i>	168.90	
			<i>For Class 55 Rating, Add</i>	375.41	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,993.71	426.17
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,092.48	428.00
			<i>For Class 52 Rating, Deduct</i>	-268.84	
			<i>For Class 54 Rating, Add</i>	183.30	
			<i>For Class 55 Rating, Add</i>	407.41	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,191.25	429.82
			<i>For Class 52 Rating, Deduct</i>	-279.40	
			<i>For Class 54 Rating, Add</i>	190.50	
			<i>For Class 55 Rating, Add</i>	423.42	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,290.01	431.65
			<i>For Class 52 Rating, Deduct</i>	-289.96	
			<i>For Class 54 Rating, Add</i>	197.70	
			<i>For Class 55 Rating, Add</i>	439.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329 EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,388.78	433.47
<i>For Class 52 Rating, Deduct</i>	-300.52	
<i>For Class 54 Rating, Add</i>	204.90	
<i>For Class 55 Rating, Add</i>	455.42	
40 05 19 00-1330 EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,487.55	435.30
<i>For Class 52 Rating, Deduct</i>	-311.08	
<i>For Class 54 Rating, Add</i>	212.10	
<i>For Class 55 Rating, Add</i>	471.43	
40 05 19 00-1331 EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,586.31	437.12
<i>For Class 52 Rating, Deduct</i>	-321.64	
<i>For Class 54 Rating, Add</i>	219.30	
<i>For Class 55 Rating, Add</i>	487.43	
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,685.08	438.95
<i>For Class 52 Rating, Deduct</i>	-332.20	
<i>For Class 54 Rating, Add</i>	226.50	
<i>For Class 55 Rating, Add</i>	503.43	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,783.84	440.78
<i>For Class 52 Rating, Deduct</i>	-342.76	
<i>For Class 54 Rating, Add</i>	233.70	
<i>For Class 55 Rating, Add</i>	519.44	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,882.61	442.60
<i>For Class 52 Rating, Deduct</i>	-353.32	
<i>For Class 54 Rating, Add</i>	240.90	
<i>For Class 55 Rating, Add</i>	535.44	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,981.38	444.42
<i>For Class 52 Rating, Deduct</i>	-363.88	
<i>For Class 54 Rating, Add</i>	248.10	
<i>For Class 55 Rating, Add</i>	551.44	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,080.14	446.25
<i>For Class 52 Rating, Deduct</i>	-374.44	
<i>For Class 54 Rating, Add</i>	255.30	
<i>For Class 55 Rating, Add</i>	567.45	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,178.91	448.08
<i>For Class 52 Rating, Deduct</i>	-385.00	
<i>For Class 54 Rating, Add</i>	262.50	
<i>For Class 55 Rating, Add</i>	583.45	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.68	449.90
<i>For Class 52 Rating, Deduct</i>	-395.56	
<i>For Class 54 Rating, Add</i>	269.70	
<i>For Class 55 Rating, Add</i>	599.45	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,376.44	451.73
<i>For Class 52 Rating, Deduct</i>	-406.12	
<i>For Class 54 Rating, Add</i>	276.90	
<i>For Class 55 Rating, Add</i>	615.46	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,475.21	453.56
<i>For Class 52 Rating, Deduct</i>	-416.68	
<i>For Class 54 Rating, Add</i>	284.10	
<i>For Class 55 Rating, Add</i>	631.46	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,573.98	455.39
<i>For Class 52 Rating, Deduct</i>	-427.24	
<i>For Class 54 Rating, Add</i>	291.30	
<i>For Class 55 Rating, Add</i>	647.46	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,672.74	457.21
<i>For Class 52 Rating, Deduct</i>	-437.80	
<i>For Class 54 Rating, Add</i>	298.50	
<i>For Class 55 Rating, Add</i>	663.47	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,771.51	459.04
<i>For Class 52 Rating, Deduct</i>	-448.36	
<i>For Class 54 Rating, Add</i>	305.70	
<i>For Class 55 Rating, Add</i>	679.47	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,870.27	460.87
<i>For Class 52 Rating, Deduct</i>	-458.92	
<i>For Class 54 Rating, Add</i>	312.90	
<i>For Class 55 Rating, Add</i>	695.47	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,969.04	462.68
<i>For Class 52 Rating, Deduct</i>	-469.48	
<i>For Class 54 Rating, Add</i>	320.10	
<i>For Class 55 Rating, Add</i>	711.48	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,526.53	451.00
			For Class 52 Rating, Deduct	-92.75	
			For Class 54 Rating, Add	63.24	
			For Class 55 Rating, Add	140.56	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,639.70	452.83
			For Class 52 Rating, Deduct	-104.90	
			For Class 54 Rating, Add	71.52	
			For Class 55 Rating, Add	158.97	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,752.87	454.65
			For Class 52 Rating, Deduct	-117.04	
			For Class 54 Rating, Add	79.80	
			For Class 55 Rating, Add	177.37	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,866.03	456.48
			For Class 52 Rating, Deduct	-129.18	
			For Class 54 Rating, Add	88.08	
			For Class 55 Rating, Add	195.77	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,979.20	458.31
			For Class 52 Rating, Deduct	-141.33	
			For Class 54 Rating, Add	96.36	
			For Class 55 Rating, Add	214.18	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,092.37	460.13
			For Class 52 Rating, Deduct	-153.47	
			For Class 54 Rating, Add	104.64	
			For Class 55 Rating, Add	232.58	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,205.53	461.95
			For Class 52 Rating, Deduct	-165.62	
			For Class 54 Rating, Add	112.92	
			For Class 55 Rating, Add	250.98	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,318.70	463.78
			For Class 52 Rating, Deduct	-177.76	
			For Class 54 Rating, Add	121.20	
			For Class 55 Rating, Add	269.39	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,431.87	465.61
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,545.03	467.43
			For Class 52 Rating, Deduct	-202.05	
			For Class 54 Rating, Add	137.76	
			For Class 55 Rating, Add	306.19	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,658.20	469.26
			For Class 52 Rating, Deduct	-214.19	
			For Class 54 Rating, Add	146.04	
			For Class 55 Rating, Add	324.60	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,771.36	471.09
			For Class 52 Rating, Deduct	-226.34	
			For Class 54 Rating, Add	154.32	
			For Class 55 Rating, Add	343.00	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,884.53	472.91
			For Class 52 Rating, Deduct	-238.48	
			For Class 54 Rating, Add	162.60	
			For Class 55 Rating, Add	361.41	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,997.70	474.74
			For Class 52 Rating, Deduct	-250.62	
			For Class 54 Rating, Add	170.88	
			For Class 55 Rating, Add	379.81	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,110.86	476.57
			For Class 52 Rating, Deduct	-262.77	
			For Class 54 Rating, Add	179.16	
			For Class 55 Rating, Add	398.21	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,224.03	478.40
			For Class 52 Rating, Deduct	-274.91	
			For Class 54 Rating, Add	187.44	
			For Class 55 Rating, Add	416.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,337.20	480.22
			<i>For Class 52 Rating, Deduct</i>	-287.06	
			<i>For Class 54 Rating, Add</i>	195.72	
			<i>For Class 55 Rating, Add</i>	435.02	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,450.36	482.04
			<i>For Class 52 Rating, Deduct</i>	-299.20	
			<i>For Class 54 Rating, Add</i>	204.00	
			<i>For Class 55 Rating, Add</i>	453.42	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.53	483.87
			<i>For Class 52 Rating, Deduct</i>	-311.34	
			<i>For Class 54 Rating, Add</i>	212.28	
			<i>For Class 55 Rating, Add</i>	471.83	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,676.70	485.69
			<i>For Class 52 Rating, Deduct</i>	-323.49	
			<i>For Class 54 Rating, Add</i>	220.56	
			<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.86	487.52
			<i>For Class 52 Rating, Deduct</i>	-335.63	
			<i>For Class 54 Rating, Add</i>	228.84	
			<i>For Class 55 Rating, Add</i>	508.64	
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,903.03	489.34
			<i>For Class 52 Rating, Deduct</i>	-347.78	
			<i>For Class 54 Rating, Add</i>	237.12	
			<i>For Class 55 Rating, Add</i>	527.04	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,016.19	491.17
			<i>For Class 52 Rating, Deduct</i>	-359.92	
			<i>For Class 54 Rating, Add</i>	245.40	
			<i>For Class 55 Rating, Add</i>	545.44	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,129.36	492.99
			<i>For Class 52 Rating, Deduct</i>	-372.06	
			<i>For Class 54 Rating, Add</i>	253.68	
			<i>For Class 55 Rating, Add</i>	563.85	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,242.54	494.82
			<i>For Class 52 Rating, Deduct</i>	-384.21	
			<i>For Class 54 Rating, Add</i>	261.96	
			<i>For Class 55 Rating, Add</i>	582.25	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,355.70	496.65
			<i>For Class 52 Rating, Deduct</i>	-396.35	
			<i>For Class 54 Rating, Add</i>	270.24	
			<i>For Class 55 Rating, Add</i>	600.65	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,468.87	498.48
			<i>For Class 52 Rating, Deduct</i>	-408.50	
			<i>For Class 54 Rating, Add</i>	278.52	
			<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,582.04	500.30
			<i>For Class 52 Rating, Deduct</i>	-420.64	
			<i>For Class 54 Rating, Add</i>	286.80	
			<i>For Class 55 Rating, Add</i>	637.46	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,695.20	502.13
			<i>For Class 52 Rating, Deduct</i>	-432.78	
			<i>For Class 54 Rating, Add</i>	295.08	
			<i>For Class 55 Rating, Add</i>	655.86	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,808.37	503.95
			<i>For Class 52 Rating, Deduct</i>	-444.93	
			<i>For Class 54 Rating, Add</i>	303.36	
			<i>For Class 55 Rating, Add</i>	674.27	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,921.54	505.77
			<i>For Class 52 Rating, Deduct</i>	-457.07	
			<i>For Class 54 Rating, Add</i>	311.64	
			<i>For Class 55 Rating, Add</i>	692.67	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,034.70	507.60
			<i>For Class 52 Rating, Deduct</i>	-469.22	
			<i>For Class 54 Rating, Add</i>	319.92	
			<i>For Class 55 Rating, Add</i>	711.08	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,147.87	509.43
			<i>For Class 52 Rating, Deduct</i>	-481.36	
			<i>For Class 54 Rating, Add</i>	328.20	
			<i>For Class 55 Rating, Add</i>	729.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,261.03	511.26
			<i>For Class 52 Rating, Deduct</i>	-493.50	
			<i>For Class 54 Rating, Add</i>	336.48	
			<i>For Class 55 Rating, Add</i>	747.88	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,374.20	513.08
			<i>For Class 52 Rating, Deduct</i>	-505.65	
			<i>For Class 54 Rating, Add</i>	344.76	
			<i>For Class 55 Rating, Add</i>	766.29	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,487.37	514.91
			<i>For Class 52 Rating, Deduct</i>	-517.79	
			<i>For Class 54 Rating, Add</i>	353.04	
			<i>For Class 55 Rating, Add</i>	784.69	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,600.53	516.74
			<i>For Class 52 Rating, Deduct</i>	-529.94	
			<i>For Class 54 Rating, Add</i>	361.32	
			<i>For Class 55 Rating, Add</i>	803.09	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,713.70	518.56
			<i>For Class 52 Rating, Deduct</i>	-542.08	
			<i>For Class 54 Rating, Add</i>	369.60	
			<i>For Class 55 Rating, Add</i>	821.50	
40 05 19 00-1385			24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,860.63	533.17
			<i>For Class 52 Rating, Deduct</i>	-115.81	
			<i>For Class 54 Rating, Add</i>	78.96	
			<i>For Class 55 Rating, Add</i>	175.50	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,000.20	534.99
			<i>For Class 52 Rating, Deduct</i>	-130.86	
			<i>For Class 54 Rating, Add</i>	89.22	
			<i>For Class 55 Rating, Add</i>	198.31	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,139.76	536.82
			<i>For Class 52 Rating, Deduct</i>	-145.90	
			<i>For Class 54 Rating, Add</i>	99.48	
			<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,279.33	538.64
			<i>For Class 52 Rating, Deduct</i>	-160.95	
			<i>For Class 54 Rating, Add</i>	109.74	
			<i>For Class 55 Rating, Add</i>	243.92	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,418.90	540.47
			<i>For Class 52 Rating, Deduct</i>	-176.00	
			<i>For Class 54 Rating, Add</i>	120.00	
			<i>For Class 55 Rating, Add</i>	266.72	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,558.46	542.30
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,698.03	544.12
			<i>For Class 52 Rating, Deduct</i>	-206.10	
			<i>For Class 54 Rating, Add</i>	140.52	
			<i>For Class 55 Rating, Add</i>	312.33	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,837.60	545.94
			<i>For Class 52 Rating, Deduct</i>	-221.14	
			<i>For Class 54 Rating, Add</i>	150.78	
			<i>For Class 55 Rating, Add</i>	335.13	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,977.16	547.77
			<i>For Class 52 Rating, Deduct</i>	-236.19	
			<i>For Class 54 Rating, Add</i>	161.04	
			<i>For Class 55 Rating, Add</i>	357.94	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,116.73	549.60
			<i>For Class 52 Rating, Deduct</i>	-251.24	
			<i>For Class 54 Rating, Add</i>	171.30	
			<i>For Class 55 Rating, Add</i>	380.74	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,256.29	551.42
			<i>For Class 52 Rating, Deduct</i>	-266.29	
			<i>For Class 54 Rating, Add</i>	181.56	
			<i>For Class 55 Rating, Add</i>	403.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,395.86	553.25
For Class 52 Rating, Deduct	-281.34	
For Class 54 Rating, Add	191.82	
For Class 55 Rating, Add	426.35	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,535.43	555.08
For Class 52 Rating, Deduct	-296.38	
For Class 54 Rating, Add	202.08	
For Class 55 Rating, Add	449.16	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.99	556.91
For Class 52 Rating, Deduct	-311.43	
For Class 54 Rating, Add	212.34	
For Class 55 Rating, Add	471.96	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,814.56	558.73
For Class 52 Rating, Deduct	-326.48	
For Class 54 Rating, Add	222.60	
For Class 55 Rating, Add	494.77	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,954.13	560.56
For Class 52 Rating, Deduct	-341.53	
For Class 54 Rating, Add	232.86	
For Class 55 Rating, Add	517.57	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,093.69	562.39
For Class 52 Rating, Deduct	-356.58	
For Class 54 Rating, Add	243.12	
For Class 55 Rating, Add	540.37	
40 05 19 00-1403 EA 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,233.26	564.20
For Class 52 Rating, Deduct	-371.62	
For Class 54 Rating, Add	253.38	
For Class 55 Rating, Add	563.18	
40 05 19 00-1404 EA 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,372.83	566.03
For Class 52 Rating, Deduct	-386.67	
For Class 54 Rating, Add	263.64	
For Class 55 Rating, Add	585.98	
40 05 19 00-1405 EA 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,512.39	567.86
For Class 52 Rating, Deduct	-401.72	
For Class 54 Rating, Add	273.90	
For Class 55 Rating, Add	608.79	
40 05 19 00-1406 EA 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,651.96	569.69
For Class 52 Rating, Deduct	-416.77	
For Class 54 Rating, Add	284.16	
For Class 55 Rating, Add	631.59	
40 05 19 00-1407 EA 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,791.53	571.51
For Class 52 Rating, Deduct	-431.82	
For Class 54 Rating, Add	294.42	
For Class 55 Rating, Add	654.40	
40 05 19 00-1408 EA 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,931.09	573.34
For Class 52 Rating, Deduct	-446.86	
For Class 54 Rating, Add	304.68	
For Class 55 Rating, Add	677.20	
40 05 19 00-1409 EA 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,070.66	575.17
For Class 52 Rating, Deduct	-461.91	
For Class 54 Rating, Add	314.94	
For Class 55 Rating, Add	700.01	
40 05 19 00-1410 EA 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,210.22	576.99
For Class 52 Rating, Deduct	-476.96	
For Class 54 Rating, Add	325.20	
For Class 55 Rating, Add	722.81	
40 05 19 00-1411 EA 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,349.79	578.82
For Class 52 Rating, Deduct	-492.01	
For Class 54 Rating, Add	335.46	
For Class 55 Rating, Add	745.62	
40 05 19 00-1412 EA 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,489.36	580.64
For Class 52 Rating, Deduct	-507.06	
For Class 54 Rating, Add	345.72	
For Class 55 Rating, Add	768.42	
40 05 19 00-1413 EA 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,628.92	582.47
For Class 52 Rating, Deduct	-522.10	
For Class 54 Rating, Add	355.98	
For Class 55 Rating, Add	791.22	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,768.49	584.29
			<i>For Class 52 Rating, Deduct</i>	-537.15	
			<i>For Class 54 Rating, Add</i>	366.24	
			<i>For Class 55 Rating, Add</i>	814.03	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,955.09	617.16
			<i>For Class 52 Rating, Deduct</i>	-552.20	
			<i>For Class 54 Rating, Add</i>	376.50	
			<i>For Class 55 Rating, Add</i>	836.83	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,094.66	618.99
			<i>For Class 52 Rating, Deduct</i>	-567.25	
			<i>For Class 54 Rating, Add</i>	386.76	
			<i>For Class 55 Rating, Add</i>	859.64	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,234.23	620.82
			<i>For Class 52 Rating, Deduct</i>	-582.30	
			<i>For Class 54 Rating, Add</i>	397.02	
			<i>For Class 55 Rating, Add</i>	882.44	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,373.79	622.64
			<i>For Class 52 Rating, Deduct</i>	-597.34	
			<i>For Class 54 Rating, Add</i>	407.28	
			<i>For Class 55 Rating, Add</i>	905.25	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,513.36	624.47
			<i>For Class 52 Rating, Deduct</i>	-612.39	
			<i>For Class 54 Rating, Add</i>	417.54	
			<i>For Class 55 Rating, Add</i>	928.05	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,652.93	626.29
			<i>For Class 52 Rating, Deduct</i>	-627.44	
			<i>For Class 54 Rating, Add</i>	427.80	
			<i>For Class 55 Rating, Add</i>	950.86	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,792.49	628.11
			<i>For Class 52 Rating, Deduct</i>	-642.49	
			<i>For Class 54 Rating, Add</i>	438.06	
			<i>For Class 55 Rating, Add</i>	973.66	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,932.06	629.94
			<i>For Class 52 Rating, Deduct</i>	-657.54	
			<i>For Class 54 Rating, Add</i>	448.32	
			<i>For Class 55 Rating, Add</i>	996.47	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,071.63	631.76
			<i>For Class 52 Rating, Deduct</i>	-672.58	
			<i>For Class 54 Rating, Add</i>	458.58	
			<i>For Class 55 Rating, Add</i>	1,019.27	
40 05 19 00-1424			30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,803.82	752.28
			<i>For Class 52 Rating, Deduct</i>	-183.04	
			<i>For Class 54 Rating, Add</i>	124.80	
			<i>For Class 55 Rating, Add</i>	277.39	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,004.18	754.10
			<i>For Class 52 Rating, Deduct</i>	-204.78	
			<i>For Class 54 Rating, Add</i>	139.62	
			<i>For Class 55 Rating, Add</i>	310.33	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,204.55	755.93
			<i>For Class 52 Rating, Deduct</i>	-226.51	
			<i>For Class 54 Rating, Add</i>	154.44	
			<i>For Class 55 Rating, Add</i>	343.27	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,404.92	757.76
			<i>For Class 52 Rating, Deduct</i>	-248.25	
			<i>For Class 54 Rating, Add</i>	169.26	
			<i>For Class 55 Rating, Add</i>	376.21	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,605.28	759.59
			<i>For Class 52 Rating, Deduct</i>	-269.98	
			<i>For Class 54 Rating, Add</i>	184.08	
			<i>For Class 55 Rating, Add</i>	409.15	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,805.65	761.41
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA			30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,006.01 -313.46 213.72 475.03	763.24
40 05 19 00-1432	EA			30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,206.38 -335.19 228.54 507.97	765.06
40 05 19 00-1433	EA			30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,406.75 -356.93 243.36 540.91	766.89
40 05 19 00-1434	EA			30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,607.11 -378.66 258.18 573.85	768.70
40 05 19 00-1435	EA			30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,807.48 -400.40 273.00 606.79	770.53
40 05 19 00-1436	EA			30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,007.85 -422.14 287.82 639.73	772.36
40 05 19 00-1437	EA			30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,208.21 -443.87 302.64 672.67	774.18
40 05 19 00-1438	EA			30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,408.58 -465.61 317.46 705.61	776.01
40 05 19 00-1439	EA			30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,608.95 -487.34 332.28 738.55	777.84
40 05 19 00-1440	EA			30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,809.31 -509.08 347.10 771.49	779.66
40 05 19 00-1441	EA			30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,009.68 -530.82 361.92 804.43	781.49
40 05 19 00-1442	EA			30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,210.04 -552.55 376.74 837.37	783.32
40 05 19 00-1443	EA			30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,410.41 -574.29 391.56 870.31	785.15
40 05 19 00-1444	EA			30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,610.78 -596.02 406.38 903.25	786.97
40 05 19 00-1445	EA			30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,811.14 -617.76 421.20 936.19	788.80
40 05 19 00-1446	EA			30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,011.51 -639.50 436.02 969.13	790.62
40 05 19 00-1447	EA			30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,211.88 -661.23 450.84 1,002.07	792.44

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,412.24	794.27
		<i>For Class 52 Rating, Deduct</i>	-682.97	
		<i>For Class 54 Rating, Add</i>	465.66	
		<i>For Class 55 Rating, Add</i>	1,035.01	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,612.61	796.10
		<i>For Class 52 Rating, Deduct</i>	-704.70	
		<i>For Class 54 Rating, Add</i>	480.48	
		<i>For Class 55 Rating, Add</i>	1,067.95	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,812.98	797.93
		<i>For Class 52 Rating, Deduct</i>	-726.44	
		<i>For Class 54 Rating, Add</i>	495.30	
		<i>For Class 55 Rating, Add</i>	1,100.89	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,013.34	799.75
		<i>For Class 52 Rating, Deduct</i>	-748.18	
		<i>For Class 54 Rating, Add</i>	510.12	
		<i>For Class 55 Rating, Add</i>	1,133.83	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,213.71	801.58
		<i>For Class 52 Rating, Deduct</i>	-769.91	
		<i>For Class 54 Rating, Add</i>	524.94	
		<i>For Class 55 Rating, Add</i>	1,166.77	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,414.07	803.41
		<i>For Class 52 Rating, Deduct</i>	-791.65	
		<i>For Class 54 Rating, Add</i>	539.76	
		<i>For Class 55 Rating, Add</i>	1,199.71	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,614.44	805.24
		<i>For Class 52 Rating, Deduct</i>	-813.38	
		<i>For Class 54 Rating, Add</i>	554.58	
		<i>For Class 55 Rating, Add</i>	1,232.65	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,814.81	807.06
		<i>For Class 52 Rating, Deduct</i>	-835.12	
		<i>For Class 54 Rating, Add</i>	569.40	
		<i>For Class 55 Rating, Add</i>	1,265.59	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,015.17	808.89
		<i>For Class 52 Rating, Deduct</i>	-856.86	
		<i>For Class 54 Rating, Add</i>	584.22	
		<i>For Class 55 Rating, Add</i>	1,298.53	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,215.54	810.70
		<i>For Class 52 Rating, Deduct</i>	-878.59	
		<i>For Class 54 Rating, Add</i>	599.04	
		<i>For Class 55 Rating, Add</i>	1,331.47	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,415.91	812.53
		<i>For Class 52 Rating, Deduct</i>	-900.33	
		<i>For Class 54 Rating, Add</i>	613.86	
		<i>For Class 55 Rating, Add</i>	1,364.41	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,616.27	814.35
		<i>For Class 52 Rating, Deduct</i>	-922.06	
		<i>For Class 54 Rating, Add</i>	628.68	
		<i>For Class 55 Rating, Add</i>	1,397.35	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,816.64	816.18
		<i>For Class 52 Rating, Deduct</i>	-943.80	
		<i>For Class 54 Rating, Add</i>	643.50	
		<i>For Class 55 Rating, Add</i>	1,430.29	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,017.01	818.01
		<i>For Class 52 Rating, Deduct</i>	-965.54	
		<i>For Class 54 Rating, Add</i>	658.32	
		<i>For Class 55 Rating, Add</i>	1,463.23	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,217.37	819.83
		<i>For Class 52 Rating, Deduct</i>	-987.27	
		<i>For Class 54 Rating, Add</i>	673.14	
		<i>For Class 55 Rating, Add</i>	1,496.17	
40 05 19 00-1463		36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
		<small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,813.74	953.13
		<i>For Class 52 Rating, Deduct</i>	-260.66	
		<i>For Class 54 Rating, Add</i>	177.72	
		<i>For Class 55 Rating, Add</i>	395.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,085.30	954.95
<i>For Class 52 Rating, Deduct</i>	-290.22	
<i>For Class 54 Rating, Add</i>	197.88	
<i>For Class 55 Rating, Add</i>	439.82	
40 05 19 00-1466 EA 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,356.87	956.77
<i>For Class 52 Rating, Deduct</i>	-319.79	
<i>For Class 54 Rating, Add</i>	218.04	
<i>For Class 55 Rating, Add</i>	484.63	
40 05 19 00-1467 EA 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,628.44	958.60
<i>For Class 52 Rating, Deduct</i>	-349.36	
<i>For Class 54 Rating, Add</i>	238.20	
<i>For Class 55 Rating, Add</i>	529.44	
40 05 19 00-1468 EA 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,900.00	960.43
<i>For Class 52 Rating, Deduct</i>	-378.93	
<i>For Class 54 Rating, Add</i>	258.36	
<i>For Class 55 Rating, Add</i>	574.25	
40 05 19 00-1469 EA 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,171.57	962.25
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1470 EA 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,443.14	964.08
<i>For Class 52 Rating, Deduct</i>	-438.06	
<i>For Class 54 Rating, Add</i>	298.68	
<i>For Class 55 Rating, Add</i>	663.87	
40 05 19 00-1471 EA 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,714.70	965.91
<i>For Class 52 Rating, Deduct</i>	-467.63	
<i>For Class 54 Rating, Add</i>	318.84	
<i>For Class 55 Rating, Add</i>	708.68	
40 05 19 00-1472 EA 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,986.27	967.74
<i>For Class 52 Rating, Deduct</i>	-497.20	
<i>For Class 54 Rating, Add</i>	339.00	
<i>For Class 55 Rating, Add</i>	753.48	
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,257.83	969.56
<i>For Class 52 Rating, Deduct</i>	-526.77	
<i>For Class 54 Rating, Add</i>	359.16	
<i>For Class 55 Rating, Add</i>	798.29	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,529.40	971.39
<i>For Class 52 Rating, Deduct</i>	-556.34	
<i>For Class 54 Rating, Add</i>	379.32	
<i>For Class 55 Rating, Add</i>	843.10	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.97	973.22
<i>For Class 52 Rating, Deduct</i>	-585.90	
<i>For Class 54 Rating, Add</i>	399.48	
<i>For Class 55 Rating, Add</i>	887.91	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,072.53	975.03
<i>For Class 52 Rating, Deduct</i>	-615.47	
<i>For Class 54 Rating, Add</i>	419.64	
<i>For Class 55 Rating, Add</i>	932.72	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,344.10	976.86
<i>For Class 52 Rating, Deduct</i>	-645.04	
<i>For Class 54 Rating, Add</i>	439.80	
<i>For Class 55 Rating, Add</i>	977.53	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,615.67	978.69
<i>For Class 52 Rating, Deduct</i>	-674.61	
<i>For Class 54 Rating, Add</i>	459.96	
<i>For Class 55 Rating, Add</i>	1,022.34	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,887.23	980.52
<i>For Class 52 Rating, Deduct</i>	-704.18	
<i>For Class 54 Rating, Add</i>	480.12	
<i>For Class 55 Rating, Add</i>	1,067.15	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,158.80	982.34
<i>For Class 52 Rating, Deduct</i>	-733.74	
<i>For Class 54 Rating, Add</i>	500.28	
<i>For Class 55 Rating, Add</i>	1,111.96	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,430.37	984.17
<i>For Class 52 Rating, Deduct</i>	-763.31	
<i>For Class 54 Rating, Add</i>	520.44	
<i>For Class 55 Rating, Add</i>	1,156.76	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,701.93	986.00
			For Class 52 Rating, Deduct	-792.88	
			For Class 54 Rating, Add	540.60	
			For Class 55 Rating, Add	1,201.57	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,973.50	987.83
			For Class 52 Rating, Deduct	-822.45	
			For Class 54 Rating, Add	560.76	
			For Class 55 Rating, Add	1,246.38	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,245.06	989.65
			For Class 52 Rating, Deduct	-852.02	
			For Class 54 Rating, Add	580.92	
			For Class 55 Rating, Add	1,291.19	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,516.63	991.48
			For Class 52 Rating, Deduct	-881.58	
			For Class 54 Rating, Add	601.08	
			For Class 55 Rating, Add	1,336.00	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,788.20	993.31
			For Class 52 Rating, Deduct	-911.15	
			For Class 54 Rating, Add	621.24	
			For Class 55 Rating, Add	1,380.81	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,059.76	995.12
			For Class 52 Rating, Deduct	-940.72	
			For Class 54 Rating, Add	641.40	
			For Class 55 Rating, Add	1,425.62	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,331.33	996.95
			For Class 52 Rating, Deduct	-970.29	
			For Class 54 Rating, Add	661.56	
			For Class 55 Rating, Add	1,470.43	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,602.90	998.77
			For Class 52 Rating, Deduct	-999.86	
			For Class 54 Rating, Add	681.72	
			For Class 55 Rating, Add	1,515.24	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,874.46	1,000.60
			For Class 52 Rating, Deduct	-1,029.42	
			For Class 54 Rating, Add	701.88	
			For Class 55 Rating, Add	1,560.05	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,146.03	1,002.42
			For Class 52 Rating, Deduct	-1,058.99	
			For Class 54 Rating, Add	722.04	
			For Class 55 Rating, Add	1,604.85	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,417.60	1,004.25
			For Class 52 Rating, Deduct	-1,088.56	
			For Class 54 Rating, Add	742.20	
			For Class 55 Rating, Add	1,649.66	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,689.16	1,006.08
			For Class 52 Rating, Deduct	-1,118.13	
			For Class 54 Rating, Add	762.36	
			For Class 55 Rating, Add	1,694.47	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,960.73	1,007.90
			For Class 52 Rating, Deduct	-1,147.70	
			For Class 54 Rating, Add	782.52	
			For Class 55 Rating, Add	1,739.28	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,232.29	1,009.73
			For Class 52 Rating, Deduct	-1,177.26	
			For Class 54 Rating, Add	802.68	
			For Class 55 Rating, Add	1,784.09	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,503.86	1,011.56
			For Class 52 Rating, Deduct	-1,206.83	
			For Class 54 Rating, Add	822.84	
			For Class 55 Rating, Add	1,828.90	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,775.43	1,013.39
			For Class 52 Rating, Deduct	-1,236.40	
			For Class 54 Rating, Add	843.00	
			For Class 55 Rating, Add	1,873.71	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,046.99	1,015.20
			For Class 52 Rating, Deduct	-1,265.97	
			For Class 54 Rating, Add	863.16	
			For Class 55 Rating, Add	1,918.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499 EA 36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,318.56	1,017.03
For Class 52 Rating, Deduct	-1,295.54	
For Class 54 Rating, Add	883.32	
For Class 55 Rating, Add	1,963.33	
40 05 19 00-1500 EA 36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,590.13	1,018.86
For Class 52 Rating, Deduct	-1,325.10	
For Class 54 Rating, Add	903.48	
For Class 55 Rating, Add	2,008.13	
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,861.69	1,020.68
For Class 52 Rating, Deduct	-1,354.67	
For Class 54 Rating, Add	923.64	
For Class 55 Rating, Add	2,052.94	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,997.18	1,201.45
For Class 52 Rating, Deduct	-349.45	
For Class 54 Rating, Add	238.26	
For Class 55 Rating, Add	529.57	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,401.55	1,203.27
For Class 52 Rating, Deduct	-393.62	
For Class 54 Rating, Add	268.38	
For Class 55 Rating, Add	596.52	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,801.12	1,205.10
For Class 52 Rating, Deduct	-437.27	
For Class 54 Rating, Add	298.14	
For Class 55 Rating, Add	662.67	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,204.68	1,206.93
For Class 52 Rating, Deduct	-481.36	
For Class 54 Rating, Add	328.20	
For Class 55 Rating, Add	729.48	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,604.25	1,208.76
For Class 52 Rating, Deduct	-525.01	
For Class 54 Rating, Add	357.96	
For Class 55 Rating, Add	795.63	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,008.62	1,210.58
For Class 52 Rating, Deduct	-569.18	
For Class 54 Rating, Add	388.08	
For Class 55 Rating, Add	862.57	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,407.38	1,212.41
For Class 52 Rating, Deduct	-612.74	
For Class 54 Rating, Add	417.78	
For Class 55 Rating, Add	928.59	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,811.75	1,214.24
For Class 52 Rating, Deduct	-656.92	
For Class 54 Rating, Add	447.90	
For Class 55 Rating, Add	995.53	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,211.32	1,216.07
For Class 52 Rating, Deduct	-700.57	
For Class 54 Rating, Add	477.66	
For Class 55 Rating, Add	1,061.68	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,614.88	1,217.89
For Class 52 Rating, Deduct	-744.66	
For Class 54 Rating, Add	507.72	
For Class 55 Rating, Add	1,128.49	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,014.45	1,219.72
For Class 52 Rating, Deduct	-788.30	
For Class 54 Rating, Add	537.48	
For Class 55 Rating, Add	1,194.64	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,418.01	1,221.54
For Class 52 Rating, Deduct	-832.39	
For Class 54 Rating, Add	567.54	
For Class 55 Rating, Add	1,261.45	
40 05 19 00-1515 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,817.58	1,223.36
For Class 52 Rating, Deduct	-876.04	
For Class 54 Rating, Add	597.30	
For Class 55 Rating, Add	1,327.60	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,217.95	1,225.19
			<i>For Class 52 Rating, Deduct</i>	-919.78	
			<i>For Class 54 Rating, Add</i>	627.12	
			<i>For Class 55 Rating, Add</i>	1,393.88	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,620.71	1,227.02
			<i>For Class 52 Rating, Deduct</i>	-963.78	
			<i>For Class 54 Rating, Add</i>	657.12	
			<i>For Class 55 Rating, Add</i>	1,460.56	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,020.28	1,228.84
			<i>For Class 52 Rating, Deduct</i>	-1,007.42	
			<i>For Class 54 Rating, Add</i>	686.88	
			<i>For Class 55 Rating, Add</i>	1,526.71	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,424.65	1,230.67
			<i>For Class 52 Rating, Deduct</i>	-1,051.60	
			<i>For Class 54 Rating, Add</i>	717.00	
			<i>For Class 55 Rating, Add</i>	1,593.65	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,824.21	1,232.49
			<i>For Class 52 Rating, Deduct</i>	-1,095.25	
			<i>For Class 54 Rating, Add</i>	746.76	
			<i>For Class 55 Rating, Add</i>	1,659.80	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,227.78	1,234.32
			<i>For Class 52 Rating, Deduct</i>	-1,139.34	
			<i>For Class 54 Rating, Add</i>	776.82	
			<i>For Class 55 Rating, Add</i>	1,726.61	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,627.35	1,236.14
			<i>For Class 52 Rating, Deduct</i>	-1,182.98	
			<i>For Class 54 Rating, Add</i>	806.58	
			<i>For Class 55 Rating, Add</i>	1,792.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,031.71	1,237.97
			<i>For Class 52 Rating, Deduct</i>	-1,227.16	
			<i>For Class 54 Rating, Add</i>	836.70	
			<i>For Class 55 Rating, Add</i>	1,859.71	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,431.28	1,239.80
			<i>For Class 52 Rating, Deduct</i>	-1,270.81	
			<i>For Class 54 Rating, Add</i>	866.46	
			<i>For Class 55 Rating, Add</i>	1,925.85	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,834.84	1,241.62
			<i>For Class 52 Rating, Deduct</i>	-1,314.90	
			<i>For Class 54 Rating, Add</i>	896.52	
			<i>For Class 55 Rating, Add</i>	1,992.67	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,234.41	1,243.44
			<i>For Class 52 Rating, Deduct</i>	-1,358.54	
			<i>For Class 54 Rating, Add</i>	926.28	
			<i>For Class 55 Rating, Add</i>	2,058.81	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,638.78	1,245.27
			<i>For Class 52 Rating, Deduct</i>	-1,402.72	
			<i>For Class 54 Rating, Add</i>	956.40	
			<i>For Class 55 Rating, Add</i>	2,125.76	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,038.34	1,247.10
			<i>For Class 52 Rating, Deduct</i>	-1,446.37	
			<i>For Class 54 Rating, Add</i>	986.16	
			<i>For Class 55 Rating, Add</i>	2,191.90	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,441.11	1,248.92
			<i>For Class 52 Rating, Deduct</i>	-1,490.37	
			<i>For Class 54 Rating, Add</i>	1,016.16	
			<i>For Class 55 Rating, Add</i>	2,258.58	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,841.48	1,250.75
			<i>For Class 52 Rating, Deduct</i>	-1,534.10	
			<i>For Class 54 Rating, Add</i>	1,045.98	
			<i>For Class 55 Rating, Add</i>	2,324.86	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,161.04	1,252.58
			<i>For Class 52 Rating, Deduct</i>	-1,568.95	
			<i>For Class 54 Rating, Add</i>	1,069.74	
			<i>For Class 55 Rating, Add</i>	2,377.68	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,644.61	1,254.41
			<i>For Class 52 Rating, Deduct</i>	-1,621.84	
			<i>For Class 54 Rating, Add</i>	1,105.80	
			<i>For Class 55 Rating, Add</i>	2,457.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,044.18	1,256.23
<i>For Class 52 Rating, Deduct</i>	-1,665.49	
<i>For Class 54 Rating, Add</i>	1,135.56	
<i>For Class 55 Rating, Add</i>	2,523.97	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,447.74	1,258.06
<i>For Class 52 Rating, Deduct</i>	-1,709.58	
<i>For Class 54 Rating, Add</i>	1,165.62	
<i>For Class 55 Rating, Add</i>	2,590.78	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,847.31	1,259.89
<i>For Class 52 Rating, Deduct</i>	-1,753.22	
<i>For Class 54 Rating, Add</i>	1,195.38	
<i>For Class 55 Rating, Add</i>	2,656.93	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,251.67	1,261.71
<i>For Class 52 Rating, Deduct</i>	-1,797.40	
<i>For Class 54 Rating, Add</i>	1,225.50	
<i>For Class 55 Rating, Add</i>	2,723.88	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,650.44	1,263.53
<i>For Class 52 Rating, Deduct</i>	-1,840.96	
<i>For Class 54 Rating, Add</i>	1,255.20	
<i>For Class 55 Rating, Add</i>	2,789.89	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,054.81	1,265.36
<i>For Class 52 Rating, Deduct</i>	-1,885.14	
<i>For Class 54 Rating, Add</i>	1,285.32	
<i>For Class 55 Rating, Add</i>	2,856.84	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,454.38	1,267.19
<i>For Class 52 Rating, Deduct</i>	-1,928.78	
<i>For Class 54 Rating, Add</i>	1,315.08	
<i>For Class 55 Rating, Add</i>	2,922.98	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,857.95	1,269.01
<i>For Class 52 Rating, Deduct</i>	-1,972.87	
<i>For Class 54 Rating, Add</i>	1,345.14	
<i>For Class 55 Rating, Add</i>	2,989.80	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,419.13	1,510.03
<i>For Class 52 Rating, Deduct</i>	-454.43	
<i>For Class 54 Rating, Add</i>	309.84	
<i>For Class 55 Rating, Add</i>	688.67	
40 05 19 00-1543 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,006.70	1,511.85
<i>For Class 52 Rating, Deduct</i>	-518.76	
<i>For Class 54 Rating, Add</i>	353.70	
<i>For Class 55 Rating, Add</i>	786.16	
40 05 19 00-1544 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,593.46	1,513.68
<i>For Class 52 Rating, Deduct</i>	-583.00	
<i>For Class 54 Rating, Add</i>	397.50	
<i>For Class 55 Rating, Add</i>	883.51	
40 05 19 00-1545 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,185.03	1,515.51
<i>For Class 52 Rating, Deduct</i>	-647.77	
<i>For Class 54 Rating, Add</i>	441.66	
<i>For Class 55 Rating, Add</i>	981.66	
40 05 19 00-1546 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,772.60	1,517.33
<i>For Class 52 Rating, Deduct</i>	-712.10	
<i>For Class 54 Rating, Add</i>	485.52	
<i>For Class 55 Rating, Add</i>	1,079.15	
40 05 19 00-1547 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,360.16	1,519.16
<i>For Class 52 Rating, Deduct</i>	-776.42	
<i>For Class 54 Rating, Add</i>	529.38	
<i>For Class 55 Rating, Add</i>	1,176.64	
40 05 19 00-1548 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,950.93	1,520.99
<i>For Class 52 Rating, Deduct</i>	-841.10	
<i>For Class 54 Rating, Add</i>	573.48	
<i>For Class 55 Rating, Add</i>	1,274.65	
40 05 19 00-1549 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,539.30	1,522.81
<i>For Class 52 Rating, Deduct</i>	-905.52	
<i>For Class 54 Rating, Add</i>	617.40	
<i>For Class 55 Rating, Add</i>	1,372.27	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,126.06	1,524.64
			For Class 52 Rating, Deduct	-969.76	
			For Class 54 Rating, Add	661.20	
			For Class 55 Rating, Add	1,469.63	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,717.63	1,526.47
			For Class 52 Rating, Deduct	-1,034.53	
			For Class 54 Rating, Add	705.36	
			For Class 55 Rating, Add	1,567.78	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,305.19	1,528.29
			For Class 52 Rating, Deduct	-1,098.86	
			For Class 54 Rating, Add	749.22	
			For Class 55 Rating, Add	1,665.27	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,896.76	1,530.11
			For Class 52 Rating, Deduct	-1,163.62	
			For Class 54 Rating, Add	793.38	
			For Class 55 Rating, Add	1,763.42	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,483.53	1,531.94
			For Class 52 Rating, Deduct	-1,227.86	
			For Class 54 Rating, Add	837.18	
			For Class 55 Rating, Add	1,860.77	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,071.09	1,533.77
			For Class 52 Rating, Deduct	-1,292.19	
			For Class 54 Rating, Add	881.04	
			For Class 55 Rating, Add	1,958.26	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,662.66	1,535.60
			For Class 52 Rating, Deduct	-1,356.96	
			For Class 54 Rating, Add	925.20	
			For Class 55 Rating, Add	2,056.41	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,250.23	1,537.42
			For Class 52 Rating, Deduct	-1,421.29	
			For Class 54 Rating, Add	969.06	
			For Class 55 Rating, Add	2,153.90	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,836.99	1,539.25
			For Class 52 Rating, Deduct	-1,485.53	
			For Class 54 Rating, Add	1,012.86	
			For Class 55 Rating, Add	2,251.25	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,428.56	1,541.08
			For Class 52 Rating, Deduct	-1,550.30	
			For Class 54 Rating, Add	1,057.02	
			For Class 55 Rating, Add	2,349.40	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,016.13	1,542.90
			For Class 52 Rating, Deduct	-1,614.62	
			For Class 54 Rating, Add	1,100.88	
			For Class 55 Rating, Add	2,446.89	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,602.89	1,544.73
			For Class 52 Rating, Deduct	-1,678.86	
			For Class 54 Rating, Add	1,144.68	
			For Class 55 Rating, Add	2,544.24	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,194.46	1,546.56
			For Class 52 Rating, Deduct	-1,743.63	
			For Class 54 Rating, Add	1,188.84	
			For Class 55 Rating, Add	2,642.40	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,782.83	1,548.39
			For Class 52 Rating, Deduct	-1,808.05	
			For Class 54 Rating, Add	1,232.76	
			For Class 55 Rating, Add	2,740.01	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,369.59	1,550.20
			For Class 52 Rating, Deduct	-1,872.29	
			For Class 54 Rating, Add	1,276.56	
			For Class 55 Rating, Add	2,837.37	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,961.16	1,552.03
			For Class 52 Rating, Deduct	-1,937.06	
			For Class 54 Rating, Add	1,320.72	
			For Class 55 Rating, Add	2,935.52	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,548.72	1,553.85
			For Class 52 Rating, Deduct	-2,001.38	
			For Class 54 Rating, Add	1,364.58	
			For Class 55 Rating, Add	3,033.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,135.49	1,555.68
For Class 52 Rating, Deduct	-2,065.62	
For Class 54 Rating, Add	1,408.38	
For Class 55 Rating, Add	3,130.36	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,727.06	1,557.50
For Class 52 Rating, Deduct	-2,130.39	
For Class 54 Rating, Add	1,452.54	
For Class 55 Rating, Add	3,228.51	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,314.62	1,559.33
For Class 52 Rating, Deduct	-2,194.72	
For Class 54 Rating, Add	1,496.40	
For Class 55 Rating, Add	3,326.00	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,830.19	1,561.16
For Class 52 Rating, Deduct	-2,251.13	
For Class 54 Rating, Add	1,534.86	
For Class 55 Rating, Add	3,411.48	
40 05 19 00-1571 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,493.76	1,562.98
For Class 52 Rating, Deduct	-2,323.82	
For Class 54 Rating, Add	1,584.42	
For Class 55 Rating, Add	3,521.64	
40 05 19 00-1572 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,080.52	1,564.81
For Class 52 Rating, Deduct	-2,388.06	
For Class 54 Rating, Add	1,628.22	
For Class 55 Rating, Add	3,618.99	
40 05 19 00-1573 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,672.89	1,566.64
For Class 52 Rating, Deduct	-2,452.91	
For Class 54 Rating, Add	1,672.44	
For Class 55 Rating, Add	3,717.28	
40 05 19 00-1574 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,259.66	1,568.45
For Class 52 Rating, Deduct	-2,517.15	
For Class 54 Rating, Add	1,716.24	
For Class 55 Rating, Add	3,814.63	
40 05 19 00-1575 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,846.42	1,570.28
For Class 52 Rating, Deduct	-2,581.39	
For Class 54 Rating, Add	1,760.04	
For Class 55 Rating, Add	3,911.98	
40 05 19 00-1576 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,438.79	1,572.11
For Class 52 Rating, Deduct	-2,646.25	
For Class 54 Rating, Add	1,804.26	
For Class 55 Rating, Add	4,010.27	
40 05 19 00-1577 EA 48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,025.55	1,573.94
For Class 52 Rating, Deduct	-2,710.49	
For Class 54 Rating, Add	1,848.06	
For Class 55 Rating, Add	4,107.62	
40 05 19 00-1578 EA 48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,613.12	1,575.76
For Class 52 Rating, Deduct	-2,774.82	
For Class 54 Rating, Add	1,891.92	
For Class 55 Rating, Add	4,205.11	
40 05 19 00-1579 EA 48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,204.69	1,577.59
For Class 52 Rating, Deduct	-2,839.58	
For Class 54 Rating, Add	1,936.08	
For Class 55 Rating, Add	4,303.26	
 40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1581 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	243.07	88.09
40 05 19 00-1582 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	340.28	112.65
40 05 19 00-1583 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	472.53	127.60
40 05 19 00-1584 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	688.30	161.77
40 05 19 00-1585 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	849.40	179.39
40 05 19 00-1586 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,055.26	194.87
40 05 19 00-1587 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,300.02	240.25
40 05 19 00-1588 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,702.42	288.30
40 05 19 00-1589 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,098.07	363.05
40 05 19 00-1590 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,174.88	411.09
40 05 19 00-1591 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,321.91	544.57
40 05 19 00-1592 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	7,525.51	616.65
40 05 19 00-1593 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	12,564.59	704.74
40 05 19 00-1594 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	16,720.87	864.91

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-0001)					
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	231.07	88.09
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	321.08	112.65
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	423.73	127.60
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	617.90	161.77
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	759.80	179.39
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	872.86	194.87
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,098.42	240.25
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,431.22	288.30
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,850.87	363.05
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,429.28	411.09
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,776.31	544.57
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	7,127.11	616.65
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	10,851.79	704.74
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	14,783.27	864.91
40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-0001)					
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	230.27	88.09
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	314.68	112.65
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	418.13	127.60
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	601.90	161.77
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	795.00	179.39
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	984.06	194.87
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,123.22	240.25
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,461.62	288.30
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,982.87	363.05
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	2,730.08	411.09
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	4,829.91	544.57
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	7,250.31	616.65
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	11,097.39	704.74
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	15,103.27	864.91
40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-0001)					
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	250.27	88.09
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	352.28	112.65
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	434.13	127.60
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	658.70	161.77
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	899.80	179.39
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,011.26	194.87
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,236.82	240.25
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,461.62	288.30
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,982.87	363.05
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	2,838.08	411.09
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	4,883.51	544.57
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	7,303.11	616.65
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	11,153.39	704.74
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	15,216.07	864.91
40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)					
40 05 19 00-1641	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	320.87	100.37
40 05 19 00-1642	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	393.80	107.84
40 05 19 00-1643	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	443.61	120.13
40 05 19 00-1644	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	587.69	124.93
40 05 19 00-1645	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	621.49	137.21
40 05 19 00-1646	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	678.42	144.68
40 05 19 00-1647	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	631.84	134.00
40 05 19 00-1648	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	711.25	146.29
40 05 19 00-1649	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	815.38	153.77
40 05 19 00-1650	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	870.06	170.84
40 05 19 00-1651	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	815.38	153.77
40 05 19 00-1652	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	901.90	161.23
40 05 19 00-1653	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,004.59	178.32
40 05 19 00-1654	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,110.33	187.39
40 05 19 00-1655	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	940.15	176.45
40 05 19 00-1656	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,013.08	183.92
40 05 19 00-1657	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,161.36	201.01
40 05 19 00-1658	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,265.91	209.82
40 05 19 00-1659	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,354.44	217.56
40 05 19 00-1660	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,098.96	200.48
40 05 19 00-1661	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,309.48	207.95
40 05 19 00-1662	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,350.57	225.03
40 05 19 00-1663	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,425.51	233.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,544.44	241.58
40 05 19 00-1665 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,684.42	264.27
40 05 19 00-1666 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,414.78	237.85
40 05 19 00-1667 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,508.51	245.33
40 05 19 00-1668 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,863.19	262.41
40 05 19 00-1669 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,933.34	271.22
40 05 19 00-1670 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,129.06	278.96
40 05 19 00-1671 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,087.45	301.65
40 05 19 00-1672 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,223.04	325.68
40 05 19 00-1673 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,977.58	261.87
40 05 19 00-1674 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,072.10	269.35
40 05 19 00-1675 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,229.19	286.44
40 05 19 00-1676 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,341.74	295.25
40 05 19 00-1677 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,551.07	302.99
40 05 19 00-1678 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,749.44	325.68
40 05 19 00-1679 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,818.65	349.70
40 05 19 00-1680 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,960.78	345.83
40 05 19 00-1681 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,511.65	361.98
40 05 19 00-1682 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,735.39	369.72
40 05 19 00-1683 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,206.56	392.41
40 05 19 00-1684 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,882.97	416.43
40 05 19 00-1685 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,641.19	453.81
40 05 19 00-1686 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,957.59	477.84
40 05 19 00-1687 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,819.85	398.01
40 05 19 00-1688 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,223.59	405.75
40 05 19 00-1689 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,077.97	428.45
40 05 19 00-1690 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,611.97	452.47
40 05 19 00-1691 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,335.00	489.85
40 05 19 00-1692 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,903.39	513.87
40 05 19 00-1693 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,370.91	580.61
40 05 19 00-1694 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,482.32	449.81
40 05 19 00-1695 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,170.30	472.50
40 05 19 00-1696 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,633.10	496.52
40 05 19 00-1697 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,487.33	533.89
40 05 19 00-1698 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,297.33	557.92
40 05 19 00-1699 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,771.25	624.66
40 05 19 00-1700 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	13,758.65	660.69
40 05 19 00-1701 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	13,170.38	644.67
40 05 19 00-1702 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,325.10	711.42
40 05 19 00-1703 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	14,747.70	747.45
40 05 19 00-1704 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	18,829.63	791.50
40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius		
90 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1706 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	287.07	88.09
40 05 19 00-1707 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	438.68	112.65
40 05 19 00-1708 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	637.33	127.60
40 05 19 00-1709 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	902.70	161.77
40 05 19 00-1710 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,266.20	179.39
40 05 19 00-1711 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,473.66	194.87
40 05 19 00-1712 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,909.62	240.25
40 05 19 00-1713 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,364.02	288.30
40 05 19 00-1714 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,218.07	363.05
40 05 19 00-1715 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	4,706.08	411.09
40 05 19 00-1716 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	8,252.31	544.57
40 05 19 00-1717 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	12,524.71	616.65
40 05 19 00-1718 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	19,376.59	704.74
40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree		
Elbows With Base (40 05 19 00-0001)		
40 05 19 00-1720 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	302.27	88.09
40 05 19 00-1721 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	409.08	112.65
40 05 19 00-1722 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	658.13	127.60
40 05 19 00-1723 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	887.50	161.77
40 05 19 00-1724 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,185.40	179.39
40 05 19 00-1725 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,396.86	194.87
40 05 19 00-1726 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,725.62	240.25
40 05 19 00-1727 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,165.62	288.30
40 05 19 00-1728 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,854.87	363.05
40 05 19 00-1729 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,014.88	411.09
40 05 19 00-1730 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,558.71	544.57
40 05 19 00-1731 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,349.51	616.65
40 05 19 00-1732 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,286.99	704.74
40 05 19 00-1733 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,659.27	864.91
40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)		
40 05 19 00-1735 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	414.37	141.48

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1736	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	513.31	174.05
40 05 19 00-1737	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	711.25	194.34
40 05 19 00-1738	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,016.23	252.53
40 05 19 00-1739	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,339.01	275.49
40 05 19 00-1740	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,779.36	296.31
40 05 19 00-1741	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,023.06	373.73
40 05 19 00-1742	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,461.55	427.11
40 05 19 00-1743	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,105.02	539.23
40 05 19 00-1744	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,535.56	595.29
40 05 19 00-1745	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	7,683.35	822.20
40 05 19 00-1746	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	11,029.36	942.32
40 05 19 00-1747	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	22,649.41	1,089.15

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees

(40 05 19 00-0001)

40 05 19 00-1749	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	515.45	158.03
40 05 19 00-1750	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	631.50	161.23
40 05 19 00-1751	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	635.04	181.52
40 05 19 00-1752	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	826.19	178.32
40 05 19 00-1753	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	820.12	198.61
40 05 19 00-1754	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	865.14	211.43
40 05 19 00-1755	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,039.93	187.39
40 05 19 00-1756	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,041.07	207.68
40 05 19 00-1757	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,099.68	220.50
40 05 19 00-1758	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,309.98	261.61
40 05 19 00-1759	EA		14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,500.86	194.87
40 05 19 00-1760	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,473.20	215.16
40 05 19 00-1761	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,539.01	227.97
40 05 19 00-1762	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,630.90	269.09
40 05 19 00-1763	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,729.13	283.23
40 05 19 00-1764	EA		16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,816.84	217.56
40 05 19 00-1765	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,681.18	237.85
40 05 19 00-1766	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,657.39	250.67
40 05 19 00-1767	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,944.48	291.78
40 05 19 00-1768	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,891.52	305.93
40 05 19 00-1769	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,104.94	319.01
40 05 19 00-1770	EA		18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,217.24	241.58
40 05 19 00-1771	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,686.38	261.87
40 05 19 00-1772	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,023.39	274.69
40 05 19 00-1773	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,038.48	315.80
40 05 19 00-1774	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,215.92	329.95
40 05 19 00-1775	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,415.74	343.03
40 05 19 00-1776	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,590.65	397.75
40 05 19 00-1777	EA		20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,851.46	278.96
40 05 19 00-1778	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,463.00	299.24
40 05 19 00-1779	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,515.22	312.06
40 05 19 00-1780	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,627.11	353.17
40 05 19 00-1781	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,730.14	367.32
40 05 19 00-1782	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,766.76	380.40
40 05 19 00-1783	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,327.28	435.13
40 05 19 00-1784	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,404.57	464.49
40 05 19 00-1785	EA		24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,242.27	302.99
40 05 19 00-1786	EA		24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,812.21	323.28
40 05 19 00-1787	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,939.62	336.08
40 05 19 00-1788	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,061.91	377.19
40 05 19 00-1789	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,425.74	391.34
40 05 19 00-1790	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,511.16	404.42
40 05 19 00-1791	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,637.28	459.15
40 05 19 00-1792	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,757.77	488.52
40 05 19 00-1793	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,924.53	522.01
40 05 19 00-1794	EA		30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,725.32	390.01
40 05 19 00-1795	EA		30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,761.54	402.82
40 05 19 00-1796	EA		30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,930.23	443.94
40 05 19 00-1797	EA		30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,951.66	458.08
40 05 19 00-1798	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,971.48	471.16
40 05 19 00-1799	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,107.20	525.88
40 05 19 00-1800	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,186.88	555.25
40 05 19 00-1801	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,387.34	630.00
40 05 19 00-1802	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,147.88	662.02
40 05 19 00-1803	EA		36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,901.74	558.19
40 05 19 00-1804	EA		36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,447.51	568.33
40 05 19 00-1805	EA		36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,509.19	597.43
40 05 19 00-1806	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,579.39	608.90
40 05 19 00-1807	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,612.76	619.32
40 05 19 00-1808	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,706.61	658.03
40 05 19 00-1809	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,764.65	684.72
40 05 19 00-1810	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,919.99	740.78
40 05 19 00-1811	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,121.66	768.81
40 05 19 00-1812	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,920.76	882.26
40 05 19 00-1813	EA		42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,031.67	482.91
40 05 19 00-1814	EA		42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,705.17	524.01



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1815	EA			42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,726.60	538.16
40 05 19 00-1816	EA			42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,764.82	551.24
40 05 19 00-1817	EA			42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,885.34	605.97
40 05 19 00-1818	EA			42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,024.23	635.34
40 05 19 00-1819	EA			42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,137.48	710.08
40 05 19 00-1820	EA			42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,336.41	742.11
40 05 19 00-1821	EA			42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,890.29	902.29
40 05 19 00-1822	EA			42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,665.70	986.37
40 05 19 00-1823	EA			48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,186.05	624.92
40 05 19 00-1824	EA			48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,205.87	638.00
40 05 19 00-1825	EA			48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,344.79	692.73
40 05 19 00-1826	EA			48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,389.28	722.09
40 05 19 00-1827	EA			48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,576.92	796.83
40 05 19 00-1828	EA			48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,757.47	828.87
40 05 19 00-1829	EA			48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,264.14	989.03
40 05 19 00-1830				Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1831	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	444.77	141.48
40 05 19 00-1832	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	600.51	174.05
40 05 19 00-1833	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	861.65	194.34
40 05 19 00-1834	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,300.23	252.53
40 05 19 00-1835	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,732.61	275.49
40 05 19 00-1836	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,932.96	296.31
40 05 19 00-1837	EA			16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,400.66	373.73
40 05 19 00-1838	EA			18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,910.35	427.11
40 05 19 00-1839	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,879.42	539.23
40 05 19 00-1840	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,545.16	595.29
40 05 19 00-1841	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,255.35	822.20
40 05 19 00-1842	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	13,140.56	942.32
40 05 19 00-1843				Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes <small>(40 05 19 00-0001)</small>		
40 05 19 00-1844	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	367.97	141.48
40 05 19 00-1845	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	509.31	174.05
40 05 19 00-1846	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	723.25	194.34
40 05 19 00-1847	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	949.83	252.53
40 05 19 00-1848	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,335.01	275.49
40 05 19 00-1849	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,718.56	296.31
40 05 19 00-1850				Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses <small>(40 05 19 00-0001)</small>		
40 05 19 00-1851	EA			4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	505.66	194.87
40 05 19 00-1852	EA			6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	656.74	211.15
40 05 19 00-1853	EA			8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	698.33	235.45
40 05 19 00-1854	EA			8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	799.59	214.63
40 05 19 00-1855	EA			8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	873.66	242.93
40 05 19 00-1856	EA			8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	906.77	261.07
40 05 19 00-1857	EA			10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,023.88	231.71
40 05 19 00-1858	EA			10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,128.35	260.00
40 05 19 00-1859	EA			10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,232.66	278.16
40 05 19 00-1860	EA			10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,529.74	343.29
40 05 19 00-1861	EA			12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,312.42	240.52
40 05 19 00-1862	EA			12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,385.70	268.81
40 05 19 00-1863	EA			12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,490.80	286.97
40 05 19 00-1864	EA			12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,803.09	352.10
40 05 19 00-1865	EA			12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,707.02	371.59
40 05 19 00-1866	EA			14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,642.22	276.56
40 05 19 00-1867	EA			14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,746.53	294.71
40 05 19 00-1868	EA			14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,952.41	359.84
40 05 19 00-1869	EA			14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,120.35	379.33
40 05 19 00-1870	EA			14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,224.25	397.75
40 05 19 00-1871	EA			16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,952.60	299.24
40 05 19 00-1872	EA			16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,071.31	317.40
40 05 19 00-1873	EA			16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,277.20	382.53
40 05 19 00-1874	EA			16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,460.32	402.02
40 05 19 00-1875	EA			16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,399.43	420.44
40 05 19 00-1876	EA			16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,802.88	507.20
40 05 19 00-1877	EA			18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,035.41	323.28
40 05 19 00-1878	EA			18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,153.31	341.42
40 05 19 00-1879	EA			18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,328.80	406.56
40 05 19 00-1880	EA			18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,511.13	426.05
40 05 19 00-1881	EA			18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,875.03	444.47
40 05 19 00-1882	EA			18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,144.89	531.22
40 05 19 00-1883	EA			18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,289.46	565.93
40 05 19 00-1884	EA			20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,638.43	360.65
40 05 19 00-1885	EA			20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,764.33	378.80
40 05 19 00-1886	EA			20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,928.63	443.94
40 05 19 00-1887	EA			20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,122.95	463.42

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,183.66	481.84
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,875.11	568.59
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,026.09	603.30
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,427.17	715.42
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,465.24	384.67
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,557.54	402.82
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,771.43	467.96
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,900.15	487.45
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,977.66	505.87
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,224.31	592.62
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,446.49	627.32
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,766.68	698.21
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,351.44	779.48
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,362.07	554.18
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,407.58	572.60
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,662.23	659.36
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,750.01	694.06
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,114.28	806.18
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,203.75	846.22
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,486.39	1,099.82
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,970.59	705.01
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,994.46	720.75
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,208.83	791.50
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,291.78	823.53
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,592.53	916.96
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,929.54	953.00
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,399.80	1,159.89
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,692.41	1,268.00
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,154.61	634.27
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,182.52	652.69
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,426.77	739.45
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,497.75	774.15
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,837.23	886.27
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,180.29	926.31
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,251.74	1,179.90
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,151.14	1,312.05
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,753.45	1,473.54
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,621.97	739.45
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,867.02	826.20
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,938.00	860.90
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,258.27	973.02
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,601.35	1,013.06
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,493.58	1,266.66

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	268.87	100.37
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	338.60	107.84
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	373.21	120.13
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	450.89	124.93
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	457.49	137.21
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	531.22	144.68
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	570.24	134.00
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	591.25	146.29
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	646.58	153.77
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	726.86	170.84
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	877.65	146.29
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	707.38	153.77
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	780.30	161.23
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	858.19	178.32
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	837.53	187.39
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,036.74	164.17
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	849.75	176.45
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	806.68	183.92
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	898.16	201.01
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,104.31	209.82
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,186.44	217.56
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,310.16	200.48
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,049.48	207.95
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,152.17	225.03
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,147.11	233.84
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,314.04	241.58
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,317.22	264.27
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,348.38	237.85
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,310.91	245.33
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,419.19	262.41
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,386.94	271.22
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,593.06	278.96
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,504.25	301.65
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,844.64	325.68



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1966	EA	24"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,758.50	269.35
40 05 19 00-1967	EA	24"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,981.99	286.44
40 05 19 00-1968	EA	24"	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,128.94	295.25
40 05 19 00-1969	EA	24"	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,185.47	302.99
40 05 19 00-1970	EA	24"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,947.04	325.68
40 05 19 00-1971	EA	24"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,341.05	349.70
40 05 19 00-1972	EA	24"	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,467.18	345.83
40 05 19 00-1973	EA	30"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,346.56	392.41
40 05 19 00-1974	EA	30"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,489.37	416.43
40 05 19 00-1975	EA	30"	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,757.99	453.81
40 05 19 00-1976	EA	30"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,147.19	477.84
40 05 19 00-1977	EA	36"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,548.37	428.45
40 05 19 00-1978	EA	36"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,778.37	452.47
40 05 19 00-1979	EA	36"	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,082.20	489.85
40 05 19 00-1980	EA	36"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,524.99	513.87
40 05 19 00-1981	EA	36"	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,366.91	580.61
40 05 19 00-1982	EA	42"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,694.93	557.92
40 05 19 00-1983	EA	42"	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,698.45	624.66
40 05 19 00-1984	EA	42"	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,825.85	660.69
40 05 19 00-1985	EA	48"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,763.98	644.67
40 05 19 00-1986	EA	48"	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,956.30	711.42
40 05 19 00-1987	EA	48"	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,234.10	747.45
40 05 19 00-1988	EA	48"	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,693.63	791.50

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990	EA	6"	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	290.47	100.37
40 05 19 00-1991	EA	8"	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	363.40	107.84
40 05 19 00-1992	EA	8"	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	412.41	120.13
40 05 19 00-1993	EA	10"	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	450.89	124.93
40 05 19 00-1994	EA	10"	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	483.89	137.21
40 05 19 00-1995	EA	10"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	556.02	144.68
40 05 19 00-1996	EA	12"	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	570.24	134.00
40 05 19 00-1997	EA	12"	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	620.05	146.29
40 05 19 00-1998	EA	12"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	676.98	153.77
40 05 19 00-1999	EA	12"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	779.66	170.84
40 05 19 00-2000	EA	14"	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	707.38	153.77
40 05 19 00-2001	EA	14"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	765.10	161.23
40 05 19 00-2002	EA	14"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	852.59	178.32
40 05 19 00-2003	EA	14"	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	972.73	187.39
40 05 19 00-2004	EA	16"	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	849.75	176.45
40 05 19 00-2005	EA	16"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	921.08	183.92
40 05 19 00-2006	EA	16"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,023.76	201.01
40 05 19 00-2007	EA	16"	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,129.11	209.82
40 05 19 00-2008	EA	16"	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,186.44	217.56
40 05 19 00-2009	EA	18"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,049.48	207.95
40 05 19 00-2010	EA	18"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,152.17	225.03
40 05 19 00-2011	EA	18"	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,257.51	233.84
40 05 19 00-2012	EA	18"	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,314.04	241.58
40 05 19 00-2013	EA	18"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,440.42	264.27
40 05 19 00-2014	EA	20"	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,519.58	237.85
40 05 19 00-2015	EA	20"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,393.31	245.33
40 05 19 00-2016	EA	20"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,419.19	262.41
40 05 19 00-2017	EA	20"	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,547.74	271.22
40 05 19 00-2018	EA	20"	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,593.06	278.96
40 05 19 00-2019	EA	20"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,741.05	301.65
40 05 19 00-2020	EA	20"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,843.84	325.68
40 05 19 00-2021	EA	24"	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,923.30	269.35
40 05 19 00-2022	EA	24"	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,981.99	286.44
40 05 19 00-2023	EA	24"	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,028.14	295.25
40 05 19 00-2024	EA	24"	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,072.67	302.99
40 05 19 00-2025	EA	24"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,223.04	325.68
40 05 19 00-2026	EA	24"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,341.05	349.70
40 05 19 00-2027	EA	24"	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,467.18	345.83
40 05 19 00-2028	EA	30"	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,983.39	369.72
40 05 19 00-2029	EA	30"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,893.76	392.41
40 05 19 00-2030	EA	30"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,506.97	416.43
40 05 19 00-2031	EA	30"	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,757.99	453.81
40 05 19 00-2032	EA	30"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,147.19	477.84
40 05 19 00-2033	EA	36"	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,583.57	428.45
40 05 19 00-2034	EA	36"	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,778.37	452.47
40 05 19 00-2035	EA	36"	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,064.60	489.85
40 05 19 00-2036	EA	36"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,505.79	513.87
40 05 19 00-2037	EA	36"	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,349.31	580.61
40 05 19 00-2038	EA	42"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,694.93	557.92
40 05 19 00-2039	EA	42"	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,698.45	624.66
40 05 19 00-2040	EA	42"	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,825.85	660.69
40 05 19 00-2041	EA	48"	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,956.30	711.42
40 05 19 00-2042	EA	48"	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,234.10	747.45
40 05 19 00-2043	EA	48"	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,693.63	791.50

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ^(40 05 19 00-0001)		
40 05 19 00-2045	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	102.98	34.70
40 05 19 00-2046	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	154.46	51.25
40 05 19 00-2047	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	221.02	60.86
40 05 19 00-2048	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	301.19	71.00
40 05 19 00-2049	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	386.99	83.29
40 05 19 00-2050	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	507.96	93.43
40 05 19 00-2051	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	605.78	106.78
40 05 19 00-2052	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	821.70	149.49
40 05 19 00-2053	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,088.73	186.86
40 05 19 00-2054	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,542.19	226.91
40 05 19 00-2055	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,162.02	264.27
40 05 19 00-2056	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,821.67	290.97
40 05 19 00-2057	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	5,368.55	320.34
40 05 19 00-2058	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,081.23	360.38
40 05 19 00-2059			Ductile Iron Bolt Packs ^(40 05 19)		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060	EA		4" Pipe Diameter, Ductile Iron Flange Bolt Pack	21.74	
			Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	6.09	
			For Hot Dip Galvanized, Add	8.70	
40 05 19 00-2061	EA		6" Pipe Diameter, Ductile Iron Flange Bolt Pack	33.55	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	9.39	
			For Hot Dip Galvanized, Add	13.42	
40 05 19 00-2062	EA		8" Pipe Diameter, Ductile Iron Flange Bolt Pack	36.43	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	10.20	
			For Hot Dip Galvanized, Add	14.57	
40 05 19 00-2063	EA		10" Pipe Diameter, Ductile Iron Flange Bolt Pack	81.82	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	22.91	
			For Hot Dip Galvanized, Add	32.73	
40 05 19 00-2064	EA		12" Pipe Diameter, Ductile Iron Flange Bolt Pack	82.54	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	23.11	
			For Hot Dip Galvanized, Add	33.02	
40 05 19 00-2065	EA		14" Pipe Diameter, Ductile Iron Flange Bolt Pack	92.47	
			Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	25.89	
			For Hot Dip Galvanized, Add	36.99	
40 05 19 00-2066	EA		16" Pipe Diameter, Ductile Iron Flange Bolt Pack	155.46	
			Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	43.53	
			For Hot Dip Galvanized, Add	62.18	
40 05 19 00-2067	EA		18" Pipe Diameter, Ductile Iron Flange Bolt Pack	225.84	
			Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	63.24	
			For Hot Dip Galvanized, Add	90.34	
40 05 19 00-2068	EA		20" Pipe Diameter, Ductile Iron Flange Bolt Pack	285.15	
			Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	79.84	
			For Hot Dip Galvanized, Add	114.06	
40 05 19 00-2069	EA		24" Pipe Diameter, Ductile Iron Flange Bolt Pack	408.00	
			Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	114.24	
			For Hot Dip Galvanized, Add	163.20	
40 05 19 00-2070	EA		30" Pipe Diameter, Ductile Iron Flange Bolt Pack	644.70	
			Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	180.52	
			For Hot Dip Galvanized, Add	257.88	
40 05 19 00-2071	EA		36" Pipe Diameter, Ductile Iron Flange Bolt Pack	919.68	
			Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	257.51	
			For Hot Dip Galvanized, Add	367.87	
40 05 19 00-2072	EA		42" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,183.14	
			Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	331.28	
			For Hot Dip Galvanized, Add	473.26	
40 05 19 00-2073	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,446.06	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	404.90	
			For Hot Dip Galvanized, Add	578.42	
40 05 19 00-2074			Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 ^(40 05 19)		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2075			Full Face Flange Styrene Butadiene (SBR) Gaskets ^(40 05 19 00-2074)		
40 05 19 00-2076	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	5.85	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
40 05 19 00-2077	EA			6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.45		
40 05 19 00-2078	EA			8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.11		
40 05 19 00-2079	EA			10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	11.71		
40 05 19 00-2080	EA			12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.77		
40 05 19 00-2081	EA			14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	21.28		
40 05 19 00-2082	EA			16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	26.07		
40 05 19 00-2083	EA			18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.67		
40 05 19 00-2084	EA			20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	42.57		
40 05 19 00-2085	EA			24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	45.76		
40 05 19 00-2086	EA			30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	59.06		
40 05 19 00-2087	EA			36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	67.58		
40 05 19 00-2088	EA			42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	72.37		
40 05 19 00-2089	EA			48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	79.28		
40 05 19 00-2090	Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)						
Note: (Acrylonitrile Butadiene)							
40 05 19 00-2091	EA			4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	18.09		
40 05 19 00-2092	EA			6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	25.54		
40 05 19 00-2093	EA			8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	39.38		
40 05 19 00-2094	EA			10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	43.10		
40 05 19 00-2095	EA			12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	46.29		
40 05 19 00-2096	EA			14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	87.26		
40 05 19 00-2097	EA			16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	107.48		
40 05 19 00-2098	EA			18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	108.02		
40 05 19 00-2099	EA			20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	112.27		
40 05 19 00-2100	EA			24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	118.66		
40 05 19 00-2101	EA			30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	131.43		
40 05 19 00-2102	EA			36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	144.73		
40 05 19 00-2103	EA			42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	205.92		
40 05 19 00-2104	EA			48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	225.08		
40 05 19 00-2105	Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)						
40 05 19 00-2106	EA			4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	15.96		
40 05 19 00-2107	EA			6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	20.75		
40 05 19 00-2108	EA			8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	28.20		
40 05 19 00-2109	EA			10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	32.99		
40 05 19 00-2110	EA			12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	36.71		
40 05 19 00-2111	EA			14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	60.66		
40 05 19 00-2112	EA			16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	72.90		
40 05 19 00-2113	EA			18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	73.43		
40 05 19 00-2114	EA			20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	75.03		
40 05 19 00-2115	EA			24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	87.26		
40 05 19 00-2116	EA			30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	106.95		
40 05 19 00-2117	EA			36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	121.85		
40 05 19 00-2118	EA			42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	174.53		
40 05 19 00-2119	EA			48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	192.62		
40 05 19 00-2120	Full Face Flange Neoprene Gaskets (40 05 19 00-2074)						
Note: (Polychloroprene)							
40 05 19 00-2121	EA			4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	18.62		
40 05 19 00-2122	EA			6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	26.07		
40 05 19 00-2123	EA			8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	39.91		
40 05 19 00-2124	EA			10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	43.10		
40 05 19 00-2125	EA			12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	46.29		
40 05 19 00-2126	EA			14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	61.72		
40 05 19 00-2127	EA			16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	108.55		
40 05 19 00-2128	EA			18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	109.08		
40 05 19 00-2129	EA			20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	115.47		
40 05 19 00-2130	EA			24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	117.06		
40 05 19 00-2131	EA			30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	127.17		
40 05 19 00-2132	EA			36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	143.13		
40 05 19 00-2133	EA			42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	207.52		
40 05 19 00-2134	EA			48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	227.21		
40 05 19 00-2135	Full Face Flange FKM Gaskets (40 05 19 00-2074)						
Note: (Fluoroelastomer Fluorel Viton®)							
40 05 19 00-2136	EA			4" Full Face Flange FKM Gasket, 1/8" Thick.....	45.00		
40 05 19 00-2137	EA			6" Full Face Flange FKM Gasket, 1/8" Thick.....	67.00		
40 05 19 00-2138	EA			8" Full Face Flange FKM Gasket, 1/8" Thick.....	89.50		
40 05 19 00-2139	EA			10" Full Face Flange FKM Gasket, 1/8" Thick.....	108.00		
40 05 19 00-2140	EA			12" Full Face Flange FKM Gasket, 1/8" Thick.....	140.50		
40 05 19 00-2141	EA			14" Full Face Flange FKM Gasket, 1/8" Thick.....	257.00		
40 05 19 00-2142	EA			16" Full Face Flange FKM Gasket, 1/8" Thick.....	294.50		
40 05 19 00-2143	EA			18" Full Face Flange FKM Gasket, 1/8" Thick.....	308.50		
40 05 19 00-2144	EA			20" Full Face Flange FKM Gasket, 1/8" Thick.....	329.00		
40 05 19 00-2145	EA			24" Full Face Flange FKM Gasket, 1/8" Thick.....	455.00		
40 05 19 00-2146	EA			30" Full Face Flange FKM Gasket, 1/8" Thick.....	545.50		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2147 EA 36" Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-2148 EA 42" Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-2149 EA 48" Full Face Flange FKM Gasket, 1/8" Thick	752.00	
40 05 19 00-2150 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)		
40 05 19 00-2151 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	228.04	54.06
40 05 19 00-2152 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	311.67	66.00
40 05 19 00-2153 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	452.91	80.49
40 05 19 00-2154 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	616.06	98.19
40 05 19 00-2155 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	779.77	119.74
40 05 19 00-2156 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,230.12	146.08
40 05 19 00-2157 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,909.31	178.29
40 05 19 00-2158 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,987.92	217.45
40 05 19 00-2159 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,434.81	265.34
40 05 19 00-2160 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,726.77	323.65
40 05 19 00-2161 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,503.23	394.94
40 05 19 00-2162 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,156.39	481.75
40 05 19 00-2163 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	13,114.25	587.79
40 05 19 00-2164 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	16,734.56	717.06
40 05 23 Stainless Steel Process Pipe and Tubing (40 05)		
40 05 23 43 Stainless Steel Process Pipe (40 05 23)		
40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)		
⁴³⁾ Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 43-0002 LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	23.50	6.93
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	2.49	
For Work In Restricted Working Space, Add	4.18	
40 05 23 43-0003 LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	26.58	7.94
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	2.61	
For Work In Restricted Working Space, Add	4.96	
40 05 23 43-0004 LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	30.95	8.96
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	3.06	
For Work In Restricted Working Space, Add	5.76	
40 05 23 43-0005 LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	35.50	10.82
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	3.86	
For Work In Restricted Working Space, Add	6.20	
40 05 23 43-0006 LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	39.15	11.13
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	4.42	
For Work In Restricted Working Space, Add	6.64	
40 05 23 43-0007 LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	47.43	14.70
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	5.39	
For Work In Restricted Working Space, Add	8.01	
40 05 23 43-0008 LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	68.72	18.13
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	9.27	
For Work In Restricted Working Space, Add	9.92	
40 05 23 43-0009 LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	86.88	21.01
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Type 316, Add	12.07	
For Work In Restricted Working Space, Add	12.13	
40 05 23 43-0010 LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	118.19	21.01
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	15.39	
40 05 23 43-0011 Stainless Steel Tubing And Fittings (40 05 23 43)		
40 05 23 43-0012 Type 304 Tubing (40 05 23 43-0011)		
40 05 23 43-0013 0.035" Wall (40 05 23 43-0012)		
40 05 23 43-0014 LF 1/4" Stainless Steel Tubing, Type 304, 0.035" Wall	5.50	2.29
For Work In Restricted Working Space, Add	1.36	
40 05 23 43-0015 LF 3/8" Stainless Steel Tubing, Type 304, 0.035" Wall	6.46	2.71
For Work In Restricted Working Space, Add	1.63	
40 05 23 43-0016 LF 1/2" Stainless Steel Tubing, Type 304, 0.035" Wall	7.65	3.21
For Work In Restricted Working Space, Add	1.91	
40 05 23 43-0017 LF 5/8" Stainless Steel Tubing, Type 304, 0.035" Wall	11.22	3.63
For Work In Restricted Working Space, Add	2.18	
40 05 23 43-0018 LF 3/4" Stainless Steel Tubing, Type 304, 0.035" Wall	13.12	4.06
For Work In Restricted Working Space, Add	2.45	
40 05 23 43-0019 LF 7/8" Stainless Steel Tubing, Type 304, 0.035" Wall	14.54	4.56
For Work In Restricted Working Space, Add	2.73	
40 05 23 43-0020 LF 1" Stainless Steel Tubing, Type 304, 0.035" Wall	16.55	5.50
For Work In Restricted Working Space, Add	3.27	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0021	0.049" Wall <small>(40 05 23 43-0012)</small>			
	LF 1/4" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	8.32	2.71
	<i>For Work In Restricted Working Space, Add</i>		1.63	
	LF 3/8" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	9.38	3.21
	<i>For Work In Restricted Working Space, Add</i>		1.91	
	LF 1/2" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	11.13	3.63
	<i>For Work In Restricted Working Space, Add</i>		2.18	
	LF 5/8" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	14.04	4.56
	<i>For Work In Restricted Working Space, Add</i>		2.73	
	LF 3/4" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	16.27	5.50
	<i>For Work In Restricted Working Space, Add</i>		3.27	
	LF 7/8" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	18.47	6.34
	<i>For Work In Restricted Working Space, Add</i>		3.82	
	LF 1" Stainless Steel Tubing, Type 304, 0.049" Wall	.....	21.22	7.19
	<i>For Work In Restricted Working Space, Add</i>		4.34	
40 05 23 43-0029	0.065" Wall <small>(40 05 23 43-0012)</small>			
	LF 1/4" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	9.70	3.21
	<i>For Work In Restricted Working Space, Add</i>		1.91	
	LF 3/8" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	11.15	3.63
	<i>For Work In Restricted Working Space, Add</i>		2.18	
	LF 1/2" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	13.80	4.56
	<i>For Work In Restricted Working Space, Add</i>		2.73	
	LF 5/8" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	16.31	5.50
	<i>For Work In Restricted Working Space, Add</i>		3.27	
	LF 3/4" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	19.18	6.34
	<i>For Work In Restricted Working Space, Add</i>		3.82	
	LF 7/8" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	21.97	7.19
	<i>For Work In Restricted Working Space, Add</i>		4.34	
	LF 1" Stainless Steel Tubing, Type 304, 0.065" Wall	.....	24.76	8.12
	<i>For Work In Restricted Working Space, Add</i>		4.88	
40 05 23 43-0037	Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>			
40 05 23 43-0038	90 Degree Elbows <small>(40 05 23 43-0037)</small>			
	EA 1/4" 90 Degree Elbow, Stainless Steel Type 304	.....	30.41	9.13
	<i>For Work In Restricted Working Space, Add</i>		5.45	
	EA 3/8" 90 Degree Elbow, Stainless Steel Type 304	.....	35.31	9.98
	<i>For Work In Restricted Working Space, Add</i>		5.97	
	EA 1/2" 90 Degree Elbow, Stainless Steel Type 304	.....	50.18	11.25
	<i>For Work In Restricted Working Space, Add</i>		6.76	
	EA 5/8" 90 Degree Elbow, Stainless Steel Type 304	.....	54.08	12.60
	<i>For Work In Restricted Working Space, Add</i>		7.57	
	EA 3/4" 90 Degree Elbow, Stainless Steel Type 304	.....	60.10	13.61
	<i>For Work In Restricted Working Space, Add</i>		8.18	
	EA 7/8" 90 Degree Elbow, Stainless Steel Type 304	.....	79.23	15.13
	<i>For Work In Restricted Working Space, Add</i>		9.06	
	EA 1" 90 Degree Elbow, Stainless Steel Type 304	.....	99.90	18.01
	<i>For Work In Restricted Working Space, Add</i>		10.79	
40 05 23 43-0046	Union Tees <small>(40 05 23 43-0037)</small>			
	EA 1/4" Union Tee, Stainless Steel Type 304	.....	47.61	13.61
	<i>For Work In Restricted Working Space, Add</i>		8.18	
	EA 3/8" Union Tee, Stainless Steel Type 304	.....	56.58	15.13
	<i>For Work In Restricted Working Space, Add</i>		9.06	
	EA 1/2" Union Tee, Stainless Steel Type 304	.....	74.28	16.91
	<i>For Work In Restricted Working Space, Add</i>		10.15	
	EA 5/8" Union Tee, Stainless Steel Type 304	.....	80.75	19.19
	<i>For Work In Restricted Working Space, Add</i>		11.53	
	EA 3/4" Union Tee, Stainless Steel Type 304	.....	99.97	20.63
	<i>For Work In Restricted Working Space, Add</i>		12.37	
	EA 7/8" Union Tee, Stainless Steel Type 304	.....	150.81	22.83
	<i>For Work In Restricted Working Space, Add</i>		13.71	
	EA 1" Union Tee, Stainless Steel Type 304	.....	180.65	27.31
	<i>For Work In Restricted Working Space, Add</i>		16.37	
40 05 23 43-0054	Unions <small>(40 05 23 43-0037)</small>			
	EA 1/4" Union, Stainless Steel Type 304	.....	45.99	13.61
	<i>For Work In Restricted Working Space, Add</i>		8.18	
	EA 3/8" Union, Stainless Steel Type 304	.....	57.49	15.13
	<i>For Work In Restricted Working Space, Add</i>		9.06	
	EA 1/2" Union, Stainless Steel Type 304	.....	74.88	16.91
	<i>For Work In Restricted Working Space, Add</i>		10.15	
	EA 5/8" Union, Stainless Steel Type 304	.....	90.15	19.19
	<i>For Work In Restricted Working Space, Add</i>		11.53	
	EA 3/4" Union, Stainless Steel Type 304	.....	105.69	20.63
	<i>For Work In Restricted Working Space, Add</i>		12.37	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0060	EA		7/8" Union, Stainless Steel Type 304.....	156.37	22.83
			<i>For Work In Restricted Working Space, Add</i>	13.71	
40 05 23 43-0061	EA		1" Union, Stainless Steel Type 304.....	167.73	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA		1/4" x 1/4" Male Connection, Stainless Steel Type 304.....	24.61	9.13
			<i>For Work In Restricted Working Space, Add</i>	5.45	
40 05 23 43-0064	EA		3/8" x 3/8" Male Connection, Stainless Steel Type 304.....	29.62	9.98
			<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0065	EA		1/2" x 1/2" Male Connection, Stainless Steel Type 304.....	37.08	11.25
			<i>For Work In Restricted Working Space, Add</i>	6.76	
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304.....	41.73	12.60
			<i>For Work In Restricted Working Space, Add</i>	7.57	
40 05 23 43-0067	EA		3/4" x 3/4" Male Connection, Stainless Steel Type 304.....	49.13	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 43-0068	EA		7/8" x 7/8" Male Connection, Stainless Steel Type 304.....	69.61	15.13
			<i>For Work In Restricted Working Space, Add</i>	9.06	
40 05 23 43-0069	EA		1" x 1" Male Connection, Stainless Steel Type 304.....	74.65	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0070			Type 304 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0071			Gate Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0072	EA		1/4" Gate Valve, Stainless Steel Type 304.....	156.64	13.61
			<i>For Work In Restricted Working Space, Add</i>	7.39	
40 05 23 43-0073	EA		3/8" Gate Valve, Stainless Steel Type 304.....	263.97	15.98
			<i>For Work In Restricted Working Space, Add</i>	7.78	
40 05 23 43-0074	EA		1/2" Gate Valve, Stainless Steel Type 304.....	274.03	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0075	EA		3/4" Gate Valve, Stainless Steel Type 304.....	303.77	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0076	EA		1" Gate Valve, Stainless Steel Type 304.....	278.82	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0077			Globe Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0078	EA		1/4" Globe Valve, Stainless Steel Type 304.....	158.80	13.61
			<i>For Work In Restricted Working Space, Add</i>	7.39	
40 05 23 43-0079	EA		3/8" Globe Valve, Stainless Steel Type 304.....	104.90	15.98
			<i>For Work In Restricted Working Space, Add</i>	7.78	
40 05 23 43-0080	EA		1/2" Globe Valve, Stainless Steel Type 304.....	188.47	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0081	EA		3/4" Globe Valve, Stainless Steel Type 304.....	209.80	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0082	EA		1" Globe Valve, Stainless Steel Type 304.....	306.06	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0083			Check Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0084	EA		1/4" Check Valve, Stainless Steel Type 304.....	222.36	13.61
			<i>For Work In Restricted Working Space, Add</i>	7.39	
40 05 23 43-0085	EA		3/8" Check Valve, Stainless Steel Type 304.....	223.66	15.98
			<i>For Work In Restricted Working Space, Add</i>	7.78	
40 05 23 43-0086	EA		1/2" Check Valve, Stainless Steel Type 304.....	146.51	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0087	EA		3/4" Check Valve, Stainless Steel Type 304.....	153.38	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0088	EA		1" Check Valve, Stainless Steel Type 304.....	169.89	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0089			Plug Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0090	EA		1/2" Plug Valve, Stainless Steel Type 304.....	343.94	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0091	EA		3/4" Plug Valve, Stainless Steel Type 304.....	376.58	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0092	EA		1" Plug Valve, Stainless Steel Type 304.....	426.38	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304.....	592.21	30.86
			<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0094	EA		2" Plug Valve, Stainless Steel Type 304.....	771.17	42.28
			<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0095			Type 316 Tubing <small>(40 05 23 43-0011)</small>		
40 05 23 43-0096			0.035" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall.....	5.65	2.29
			<i>For Work In Restricted Working Space, Add</i>	1.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	7.18 1.63	2.71
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	8.09 1.91	3.21
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.38 2.18	3.63
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.03 2.45	4.06
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	17.33 2.73	4.56
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	18.71 3.27	5.50
40 05 23 43-0104 0.049" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	8.94 1.63	2.71
40 05 23 43-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	10.03 1.91	3.21
40 05 23 43-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	11.74 2.18	3.63
40 05 23 43-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	15.18 2.73	4.56
40 05 23 43-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.68 3.27	5.50
40 05 23 43-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	22.10 3.82	6.34
40 05 23 43-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	23.12 4.34	7.19
40 05 23 43-0112 0.065" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	10.45 1.91	3.21
40 05 23 43-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	11.72 2.18	3.63
40 05 23 43-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	14.70 2.73	4.56
40 05 23 43-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.55 3.27	5.50
40 05 23 43-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	21.07 3.82	6.34
40 05 23 43-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	23.37 4.34	7.19
40 05 23 43-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	27.01 4.88	8.12
40 05 23 43-0120 Type 316 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0121 90 Degree Elbows <small>(40 05 23 43-0120)</small>		
40 05 23 43-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	39.23 5.45	9.13
40 05 23 43-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	46.44 5.97	9.98
40 05 23 43-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	70.13 6.76	11.25
40 05 23 43-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	74.89 7.57	12.60
40 05 23 43-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	83.80 8.18	13.61
40 05 23 43-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	114.63 9.06	15.13
40 05 23 43-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	146.04 10.79	18.01
40 05 23 43-0129 Union Tees <small>(40 05 23 43-0120)</small>		
40 05 23 43-0130 EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	62.29 8.18	13.61
40 05 23 43-0131 EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	75.62 9.06	15.13
40 05 23 43-0132 EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	103.50 10.15	16.91
40 05 23 43-0133 EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	111.31 11.53	19.19
40 05 23 43-0134 EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	142.38 12.37	20.63
40 05 23 43-0135 EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	226.69 13.71	22.83
40 05 23 43-0136 EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	271.70 16.37	27.31

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0137			Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138	EA		1/4" Union, Stainless Steel Type 316.....	43.75	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 43-0139	EA		3/8" Union, Stainless Steel Type 316.....	54.23	15.13
			<i>For Work In Restricted Working Space, Add</i>	9.06	
40 05 23 43-0140	EA		1/2" Union, Stainless Steel Type 316.....	69.97	16.91
			<i>For Work In Restricted Working Space, Add</i>	10.15	
40 05 23 43-0141	EA		5/8" Union, Stainless Steel Type 316.....	83.96	19.19
			<i>For Work In Restricted Working Space, Add</i>	11.53	
40 05 23 43-0142	EA		3/4" Union, Stainless Steel Type 316.....	97.99	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0143	EA		7/8" Union, Stainless Steel Type 316.....	142.26	22.83
			<i>For Work In Restricted Working Space, Add</i>	13.71	
40 05 23 43-0144	EA		1" Union, Stainless Steel Type 316.....	154.20	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0145			Male Connectors <small>(40 05 23 43-0120)</small>		
40 05 23 43-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	29.16	9.13
			<i>For Work In Restricted Working Space, Add</i>	5.45	
40 05 23 43-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	36.49	9.98
			<i>For Work In Restricted Working Space, Add</i>	5.97	
40 05 23 43-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	47.37	11.25
			<i>For Work In Restricted Working Space, Add</i>	6.76	
40 05 23 43-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	53.38	12.60
			<i>For Work In Restricted Working Space, Add</i>	7.57	
40 05 23 43-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	64.58	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 43-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	97.47	15.13
			<i>For Work In Restricted Working Space, Add</i>	9.06	
40 05 23 43-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316.....	101.99	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0153			Type 316 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0154			Gate Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0155	EA		1/4" Gate Valve, Stainless Steel Type 316.....	199.26	13.61
			<i>For Work In Restricted Working Space, Add</i>	7.39	
40 05 23 43-0156	EA		3/8" Gate Valve, Stainless Steel Type 316.....	340.83	15.98
			<i>For Work In Restricted Working Space, Add</i>	7.78	
40 05 23 43-0157	EA		1/2" Gate Valve, Stainless Steel Type 316.....	350.89	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0158	EA		3/4" Gate Valve, Stainless Steel Type 316.....	388.53	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0159	EA		1" Gate Valve, Stainless Steel Type 316.....	351.23	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316.....	483.05	28.32
			<i>For Work In Restricted Working Space, Add</i>	17.00	
40 05 23 43-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316.....	776.93	30.86
			<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0162	EA		2" Gate Valve, Stainless Steel Type 316.....	923.74	42.28
			<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316.....	1,367.33	135.37
			<i>For Work In Restricted Working Space, Add</i>	81.20	
40 05 23 43-0164			Globe Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0165	EA		1/4" Globe Valve, Stainless Steel Type 316.....	202.12	13.61
			<i>For Work In Restricted Working Space, Add</i>	7.39	
40 05 23 43-0166	EA		3/8" Globe Valve, Stainless Steel Type 316.....	130.40	15.98
			<i>For Work In Restricted Working Space, Add</i>	7.78	
40 05 23 43-0167	EA		1/2" Globe Valve, Stainless Steel Type 316.....	237.70	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0168	EA		3/4" Globe Valve, Stainless Steel Type 316.....	264.22	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0169	EA		1" Globe Valve, Stainless Steel Type 316.....	387.26	27.31
			<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316.....	484.01	28.15
			<i>For Work In Restricted Working Space, Add</i>	16.87	
40 05 23 43-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316.....	805.54	30.86
			<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0172	EA		2" Globe Valve, Stainless Steel Type 316.....	952.35	42.28
			<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316.....	1,186.14	135.37
			<i>For Work In Restricted Working Space, Add</i>	81.20	
40 05 23 43-0174			Check Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0175	EA		1/4" Check Valve, Stainless Steel Type 316.....	286.21	13.61
			<i>For Work In Restricted Working Space, Add</i>	7.39	
40 05 23 43-0176	EA		3/8" Check Valve, Stainless Steel Type 316.....	287.51	15.98
			<i>For Work In Restricted Working Space, Add</i>	7.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316.....	182.20	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316.....	189.58	20.63
<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316.....	207.13	27.31
<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316.....	287.24	28.32
<i>For Work In Restricted Working Space, Add</i>	17.00	
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316.....	643.42	30.86
<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316.....	780.70	42.28
<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316.....	1,542.17	135.37
<i>For Work In Restricted Working Space, Add</i>	81.20	
40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	307.08	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	358.76	20.63
<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	457.48	27.31
<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	730.17	30.86
<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined.....	1,020.39	42.28
<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	407.35	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	468.31	20.63
<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	567.04	27.31
<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	884.28	30.86
<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined.....	1,204.22	42.28
<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0196 Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197 EA 1/2" Strainer, Stainless Steel Type 316.....	408.31	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0198 EA 3/4" Strainer, Stainless Steel Type 316.....	488.73	20.71
<i>For Work In Restricted Working Space, Add</i>	12.43	
40 05 23 43-0199 EA 1" Strainer, Stainless Steel Type 316.....	639.43	27.48
<i>For Work In Restricted Working Space, Add</i>	16.49	
40 05 23 43-0200 EA 1-1/4" Strainer, Stainless Steel Type 316.....	794.57	28.32
<i>For Work In Restricted Working Space, Add</i>	17.00	
40 05 23 43-0201 EA 1-1/2" Strainer, Stainless Steel Type 316.....	997.80	30.86
<i>For Work In Restricted Working Space, Add</i>	18.52	
40 05 23 43-0202 EA 2" Strainer, Stainless Steel Type 316.....	1,439.20	42.28
<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0203 EA 2-1/2" Strainer, Stainless Steel Type 316.....	1,978.04	56.23
<i>For Work In Restricted Working Space, Add</i>	33.74	
40 05 23 43-0204 EA 3" Strainer, Stainless Steel Type 316.....	2,880.30	84.55
<i>For Work In Restricted Working Space, Add</i>	50.73	
40 05 23 43-0205 EA 4" Strainer, Stainless Steel Type 316.....	3,684.05	135.28
<i>For Work In Restricted Working Space, Add</i>	81.17	
40 05 23 43-0206 Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207 EA 1/2" Plug Valve, Stainless Steel Type 316.....	435.23	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0208 EA 3/4" Plug Valve, Stainless Steel Type 316.....	475.97	20.63
<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0209 EA 1" Plug Valve, Stainless Steel Type 316.....	536.60	27.31
<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316.....	749.46	30.86
<i>For Work In Restricted Working Space, Add</i>	18.51	
40 05 23 43-0211 EA 2" Plug Valve, Stainless Steel Type 316.....	974.70	42.28
<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe.....	16.90	
40 05 23 43-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe.....	18.26	
40 05 23 43-0215 EA Cut And Prepare 1" Stainless Steel Pipe.....	20.54	
40 05 23 43-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe.....	21.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	22.82	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	24.51	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	26.20	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	28.74	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	31.27	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	33.81	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	36.35	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	39.73	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	43.11	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	46.48	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	49.86	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	52.40	
40 05 23 43-0229	EA		Cut And Prepare 20" Stainless Steel Pipe	54.94	
40 05 23 43-0230	EA		Cut And Prepare 24" Stainless Steel Pipe	58.32	
40 05 23 43-0231			Stainless Steel Pipe And Fittings (40 05 23 43)		
40 05 23 43-0232			Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0233			Pipe (40 05 23 43-0232)		
40 05 23 43-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	11.97	3.63
			<i>For Work In Restricted Working Space, Add</i>	2.18	
40 05 23 43-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.75	4.56
			<i>For Work In Restricted Working Space, Add</i>	2.73	
40 05 23 43-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	18.11	5.50
			<i>For Work In Restricted Working Space, Add</i>	3.27	
40 05 23 43-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.71	6.34
			<i>For Work In Restricted Working Space, Add</i>	3.82	
40 05 23 43-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	25.09	7.19
			<i>For Work In Restricted Working Space, Add</i>	4.34	
40 05 23 43-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	32.02	9.13
			<i>For Work In Restricted Working Space, Add</i>	5.45	
40 05 23 43-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	43.04	10.82
			<i>For Work In Restricted Working Space, Add</i>	6.50	
40 05 23 43-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	54.11	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 43-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	73.13	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0243			90 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0244	EA		1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	33.83	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 43-0245	EA		3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	43.42	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0246	EA		1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	55.59	22.83
			<i>For Work In Restricted Working Space, Add</i>	13.71	
40 05 23 43-0247	EA		1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	77.47	31.28
			<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 43-0248	EA		1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	90.39	36.78
			<i>For Work In Restricted Working Space, Add</i>	22.06	
40 05 23 43-0249	EA		2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	113.36	44.48
			<i>For Work In Restricted Working Space, Add</i>	26.70	
40 05 23 43-0250	EA		2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	208.18	70.43
			<i>For Work In Restricted Working Space, Add</i>	42.28	
40 05 23 43-0251	EA		3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	266.77	90.89
			<i>For Work In Restricted Working Space, Add</i>	54.55	
40 05 23 43-0252	EA		4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	391.98	112.70
			<i>For Work In Restricted Working Space, Add</i>	67.64	
40 05 23 43-0253			45 Degree Elbows (40 05 23 43-0232)		
40 05 23 43-0254	EA		1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	36.25	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 43-0255	EA		3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	45.70	18.01
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0256	EA		1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	56.41	22.83
			<i>For Work In Restricted Working Space, Add</i>	13.71	
40 05 23 43-0257	EA		1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	76.49	31.28
			<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 43-0258	EA		1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	91.44	36.78
			<i>For Work In Restricted Working Space, Add</i>	22.06	
40 05 23 43-0259	EA		2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	114.33	44.48
			<i>For Work In Restricted Working Space, Add</i>	26.70	
40 05 23 43-0260	EA		2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	228.55	70.43
			<i>For Work In Restricted Working Space, Add</i>	42.28	
40 05 23 43-0261	EA		3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	305.68	90.89
			<i>For Work In Restricted Working Space, Add</i>	54.55	
40 05 23 43-0262	EA		4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	449.43	112.70
			<i>For Work In Restricted Working Space, Add</i>	67.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0263 Tees <small>(40 05 23 43-0232)</small>		
40 05 23 43-0264 EA 1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	51.07	20.63
<i>For Work In Restricted Working Space, Add</i>	<i>12.37</i>	
40 05 23 43-0265 EA 3/4" Tee, Stainless Steel, Schedule 40 Type 304.....	65.04	27.31
<i>For Work In Restricted Working Space, Add</i>	<i>16.37</i>	
40 05 23 43-0266 EA 1" Tee, Stainless Steel, Schedule 40 Type 304.....	80.04	33.82
<i>For Work In Restricted Working Space, Add</i>	<i>20.29</i>	
40 05 23 43-0267 EA 1-1/4" Tee, Stainless Steel, Schedule 40 Type 304.....	114.21	47.01
<i>For Work In Restricted Working Space, Add</i>	<i>28.19</i>	
40 05 23 43-0268 EA 1-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	131.16	52.84
<i>For Work In Restricted Working Space, Add</i>	<i>31.71</i>	
40 05 23 43-0269 EA 2" Tee, Stainless Steel, Schedule 40 Type 304.....	171.68	70.43
<i>For Work In Restricted Working Space, Add</i>	<i>42.28</i>	
40 05 23 43-0270 EA 2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	305.54	101.89
<i>For Work In Restricted Working Space, Add</i>	<i>61.12</i>	
40 05 23 43-0271 EA 3" Tee, Stainless Steel, Schedule 40 Type 304.....	427.66	136.39
<i>For Work In Restricted Working Space, Add</i>	<i>81.83</i>	
40 05 23 43-0272 EA 4" Tee, Stainless Steel, Schedule 40 Type 304.....	587.85	169.10
<i>For Work In Restricted Working Space, Add</i>	<i>101.46</i>	
40 05 23 43-0273 Reducers <small>(40 05 23 43-0232)</small>		
40 05 23 43-0274 EA 3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	42.15	18.01
<i>For Work In Restricted Working Space, Add</i>	<i>10.79</i>	
40 05 23 43-0275 EA 1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	54.82	22.83
<i>For Work In Restricted Working Space, Add</i>	<i>13.71</i>	
40 05 23 43-0276 EA 1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	81.30	31.28
<i>For Work In Restricted Working Space, Add</i>	<i>18.79</i>	
40 05 23 43-0277 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	94.12	36.78
<i>For Work In Restricted Working Space, Add</i>	<i>22.06</i>	
40 05 23 43-0278 EA 2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	121.11	44.48
<i>For Work In Restricted Working Space, Add</i>	<i>26.70</i>	
40 05 23 43-0279 EA 2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	208.38	70.43
<i>For Work In Restricted Working Space, Add</i>	<i>42.28</i>	
40 05 23 43-0280 EA 3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	254.00	90.89
<i>For Work In Restricted Working Space, Add</i>	<i>54.55</i>	
40 05 23 43-0281 EA 4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	366.33	112.70
<i>For Work In Restricted Working Space, Add</i>	<i>67.64</i>	
40 05 23 43-0282 EA 4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	310.24	103.58
<i>For Work In Restricted Working Space, Add</i>	<i>62.15</i>	
40 05 23 43-0283 Unions <small>(40 05 23 43-0232)</small>		
40 05 23 43-0284 EA 1/2" Union, Stainless Steel, Schedule 40 Type 304.....	54.90	20.63
<i>For Work In Restricted Working Space, Add</i>	<i>12.37</i>	
40 05 23 43-0285 EA 3/4" Union, Stainless Steel, Schedule 40 Type 304.....	73.27	27.31
<i>For Work In Restricted Working Space, Add</i>	<i>16.37</i>	
40 05 23 43-0286 EA 1" Union, Stainless Steel, Schedule 40 Type 304.....	94.82	33.82
<i>For Work In Restricted Working Space, Add</i>	<i>20.29</i>	
40 05 23 43-0287 EA 1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	143.89	47.01
<i>For Work In Restricted Working Space, Add</i>	<i>28.19</i>	
40 05 23 43-0288 EA 1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	164.40	52.84
<i>For Work In Restricted Working Space, Add</i>	<i>31.71</i>	
40 05 23 43-0289 EA 2" Union, Stainless Steel, Schedule 40 Type 304.....	215.04	70.43
<i>For Work In Restricted Working Space, Add</i>	<i>42.28</i>	
40 05 23 43-0290 Flanges <small>(40 05 23 43-0232)</small>		
40 05 23 43-0291 EA 2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	200.71	70.43
<i>For Work In Restricted Working Space, Add</i>	<i>42.28</i>	
40 05 23 43-0292 EA 3" Flange, Stainless Steel, Schedule 40 Type 304.....	247.02	90.89
<i>For Work In Restricted Working Space, Add</i>	<i>54.55</i>	
40 05 23 43-0293 EA 4" Flange, Stainless Steel, Schedule 40 Type 304.....	319.14	112.70
<i>For Work In Restricted Working Space, Add</i>	<i>67.64</i>	
40 05 23 43-0294 Caps <small>(40 05 23 43-0232)</small>		
40 05 23 43-0295 EA 1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	16.14	6.85
<i>For Work In Restricted Working Space, Add</i>	<i>4.09</i>	
40 05 23 43-0296 EA 3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	21.84	9.13
<i>For Work In Restricted Working Space, Add</i>	<i>5.45</i>	
40 05 23 43-0297 EA 1" Caps, Stainless Steel, Schedule 40 Type 304.....	27.92	11.25
<i>For Work In Restricted Working Space, Add</i>	<i>6.76</i>	
40 05 23 43-0298 EA 1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	46.00	15.98
<i>For Work In Restricted Working Space, Add</i>	<i>9.57</i>	
40 05 23 43-0299 EA 1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	52.24	18.01
<i>For Work In Restricted Working Space, Add</i>	<i>10.79</i>	
40 05 23 43-0300 EA 2" Caps, Stainless Steel, Schedule 40 Type 304.....	66.33	22.83
<i>For Work In Restricted Working Space, Add</i>	<i>13.71</i>	
40 05 23 43-0301 EA 2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	102.60	33.82
<i>For Work In Restricted Working Space, Add</i>	<i>20.29</i>	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0302	EA		3" Caps, Stainless Steel, Schedule 40 Type 304.....	137.33	44.48
			<i>For Work In Restricted Working Space, Add</i>	26.70	
40 05 23 43-0303	EA		4" Caps, Stainless Steel, Schedule 40 Type 304.....	202.07	56.40
			<i>For Work In Restricted Working Space, Add</i>	33.82	
40 05 23 43-0304			Additional Fittings <small>(40 05 23 43-0232)</small>		
40 05 23 43-0305	EA		1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	66.63	28.32
			<i>For Work In Restricted Working Space, Add</i>	17.00	
40 05 23 43-0306	EA		3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	78.18	33.82
			<i>For Work In Restricted Working Space, Add</i>	20.29	
40 05 23 43-0307	EA		1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	113.60	38.47
			<i>For Work In Restricted Working Space, Add</i>	23.08	
40 05 23 43-0308	EA		1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	135.16	42.28
			<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0309	EA		1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	135.16	42.28
			<i>For Work In Restricted Working Space, Add</i>	25.37	
40 05 23 43-0310	EA		2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	170.43	46.50
			<i>For Work In Restricted Working Space, Add</i>	27.90	
40 05 23 43-0311			Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0312			Pipe <small>(40 05 23 43-0311)</small>		
40 05 23 43-0313	LF		1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	13.06	3.55
			<i>For Work In Restricted Working Space, Add</i>	2.13	
40 05 23 43-0314	LF		3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	15.52	4.34
			<i>For Work In Restricted Working Space, Add</i>	2.60	
40 05 23 43-0315	LF		1" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	18.46	5.12
			<i>For Work In Restricted Working Space, Add</i>	3.05	
40 05 23 43-0316	LF		1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	22.17	6.39
			<i>For Work In Restricted Working Space, Add</i>	3.81	
40 05 23 43-0317	LF		1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	25.24	7.17
			<i>For Work In Restricted Working Space, Add</i>	4.30	
40 05 23 43-0318	LF		2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	31.43	8.90
			<i>For Work In Restricted Working Space, Add</i>	5.33	
40 05 23 43-0319	LF		2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	39.33	10.17
			<i>For Work In Restricted Working Space, Add</i>	6.09	
40 05 23 43-0320	LF		3" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	45.79	11.42
			<i>For Work In Restricted Working Space, Add</i>	6.85	
40 05 23 43-0321	LF		4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	56.36	13.56
			<i>For Work In Restricted Working Space, Add</i>	8.11	
40 05 23 43-0322	LF		6" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	89.88	17.81
			<i>For Work In Restricted Working Space, Add</i>	10.65	
40 05 23 43-0323	LF		8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	150.52	31.40
			<i>For Work In Restricted Working Space, Add</i>	20.18	
40 05 23 43-0324	LF		10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	191.25	34.52
			<i>For Work In Restricted Working Space, Add</i>	22.19	
40 05 23 43-0325	LF		12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	218.34	38.39
			<i>For Work In Restricted Working Space, Add</i>	24.66	
40 05 23 43-0326	LF		14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	267.34	43.16
			<i>For Work In Restricted Working Space, Add</i>	27.74	
40 05 23 43-0327	LF		16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	294.93	49.33
			<i>For Work In Restricted Working Space, Add</i>	31.70	
40 05 23 43-0328	LF		18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	331.17	57.54
			<i>For Work In Restricted Working Space, Add</i>	36.99	
40 05 23 43-0329	LF		20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	440.14	69.05
			<i>For Work In Restricted Working Space, Add</i>	44.39	
40 05 23 43-0330	LF		24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	572.43	86.31
			<i>For Work In Restricted Working Space, Add</i>	55.49	
40 05 23 43-0331			90 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0332	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	103.37	44.92
			<i>For Work In Restricted Working Space, Add</i>	26.95	
40 05 23 43-0333	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	109.60	47.68
			<i>For Work In Restricted Working Space, Add</i>	28.61	
40 05 23 43-0334	EA		1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	120.29	52.41
			<i>For Work In Restricted Working Space, Add</i>	31.44	
40 05 23 43-0335	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	139.07	57.13
			<i>For Work In Restricted Working Space, Add</i>	34.28	
40 05 23 43-0336	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	145.45	63.05
			<i>For Work In Restricted Working Space, Add</i>	37.79	
40 05 23 43-0337	EA		2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	166.45	70.14
			<i>For Work In Restricted Working Space, Add</i>	42.10	
40 05 23 43-0338	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	216.62	89.84
			<i>For Work In Restricted Working Space, Add</i>	53.83	
40 05 23 43-0339	EA		3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	256.96	105.21
			<i>For Work In Restricted Working Space, Add</i>	63.01	
40 05 23 43-0340	EA		4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	338.38	126.10
			<i>For Work In Restricted Working Space, Add</i>	75.49	
40 05 23 43-0341	EA		6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	562.60	157.62
			<i>For Work In Restricted Working Space, Add</i>	94.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0342 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	949.81 158.53	246.61
40 05 23 43-0343 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,572.12 211.38	328.81
40 05 23 43-0344 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,429.00 317.07	493.22
40 05 23 43-0345 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,084.95 369.91	575.42
40 05 23 43-0346 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,821.41 421.95	657.62
40 05 23 43-0347 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,866.88 528.44	822.03
40 05 23 43-0348 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,954.52 739.82	1,150.84
40 05 23 43-0349 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	11,047.44 1,056.89	1,644.05
40 05 23 43-0350 45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	109.31 26.95	44.92
40 05 23 43-0352 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	114.83 28.61	47.68
40 05 23 43-0353 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	126.75 31.44	52.41
40 05 23 43-0354 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	151.39 34.26	57.13
40 05 23 43-0355 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.06 37.84	63.05
40 05 23 43-0356 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	163.26 42.10	70.14
40 05 23 43-0357 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	217.67 53.88	89.84
40 05 23 43-0358 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	249.44 63.15	105.21
40 05 23 43-0359 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	321.00 75.59	126.10
40 05 23 43-0360 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	463.96 94.57	157.62
40 05 23 43-0361 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	788.70 158.53	246.61
40 05 23 43-0362 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,288.84 211.38	328.81
40 05 23 43-0363 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,986.38 317.07	493.22
40 05 23 43-0364 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,465.28 369.91	575.42
40 05 23 43-0365 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,026.48 421.95	657.62
40 05 23 43-0366 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,125.05 528.44	822.03
40 05 23 43-0367 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,989.62 739.82	1,150.84
40 05 23 43-0368 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,480.57 1,056.89	1,644.05
40 05 23 43-0369 Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0370 EA 1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	169.06 34.25	57.13
40 05 23 43-0371 EA 3/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	195.05 42.05	70.14
40 05 23 43-0372 EA 1" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	209.72 47.25	78.81
40 05 23 43-0373 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	269.02 53.88	89.84
40 05 23 43-0374 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	245.02 57.84	96.55
40 05 23 43-0375 EA 2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	265.15 63.08	105.21
40 05 23 43-0376 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	407.75 75.59	126.10
40 05 23 43-0377 EA 3" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	417.54 94.72	157.62
40 05 23 43-0378 EA 4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	497.77 106.31	177.32
40 05 23 43-0379 EA 6" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	906.24 141.74	236.43
40 05 23 43-0380 EA 8" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,696.05 211.38	328.81
40 05 23 43-0381 EA 10" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,614.90 317.07	493.22
40 05 23 43-0382 EA 12" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,312.88 396.33	616.52

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0383 EA 14" Tee, Stainless Steel Schedule 5 Type 304	4,195.49	739.82
For Work In Restricted Working Space, Add	476.28	
40 05 23 43-0384 EA 16" Tee, Stainless Steel Schedule 5 Type 304	4,719.88	904.23
For Work In Restricted Working Space, Add	581.01	
40 05 23 43-0385 EA 18" Tee, Stainless Steel Schedule 5 Type 304	5,785.70	1,150.84
For Work In Restricted Working Space, Add	739.82	
40 05 23 43-0386 EA 20" Tee, Stainless Steel Schedule 5 Type 304	8,697.86	1,520.75
For Work In Restricted Working Space, Add	973.45	
40 05 23 43-0387 EA 24" Tee, Stainless Steel Schedule 5 Type 304	13,329.46	2,301.67
For Work In Restricted Working Space, Add	1,479.64	
40 05 23 43-0388 Reducers (40 05 23 43-0311)		
40 05 23 43-0389 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 304	113.09	43.34
For Work In Restricted Working Space, Add	26.03	
40 05 23 43-0390 EA 1" Reducer, Stainless Steel Schedule 5 Type 304	124.96	47.29
For Work In Restricted Working Space, Add	28.36	
40 05 23 43-0391 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	152.29	52.41
For Work In Restricted Working Space, Add	31.44	
40 05 23 43-0392 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	134.55	57.13
For Work In Restricted Working Space, Add	34.26	
40 05 23 43-0393 EA 2" Reducer, Stainless Steel Schedule 5 Type 304	148.17	63.05
For Work In Restricted Working Space, Add	37.84	
40 05 23 43-0394 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	191.01	78.81
For Work In Restricted Working Space, Add	47.29	
40 05 23 43-0395 EA 3" Reducer, Stainless Steel Schedule 5 Type 304	212.49	89.84
For Work In Restricted Working Space, Add	53.83	
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 5 Type 304	247.55	105.21
For Work In Restricted Working Space, Add	63.08	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 5 Type 304	318.54	133.98
For Work In Restricted Working Space, Add	80.31	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 5 Type 304	655.79	197.28
For Work In Restricted Working Space, Add	126.83	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 5 Type 304	852.55	246.61
For Work In Restricted Working Space, Add	158.53	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 5 Type 304	1,133.70	328.81
For Work In Restricted Working Space, Add	211.38	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 5 Type 304	1,503.51	431.56
For Work In Restricted Working Space, Add	277.43	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 5 Type 304	1,775.24	493.22
For Work In Restricted Working Space, Add	316.16	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 5 Type 304	2,209.67	616.52
For Work In Restricted Working Space, Add	396.33	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 5 Type 304	3,299.93	822.03
For Work In Restricted Working Space, Add	528.44	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 5 Type 304	5,149.71	1,233.04
For Work In Restricted Working Space, Add	792.67	
40 05 23 43-0406 Weld Neck Flanges (40 05 23 43-0311)		
40 05 23 43-0407 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 304	63.07	18.13
For Work In Restricted Working Space, Add	10.88	
40 05 23 43-0408 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 304	66.22	19.71
For Work In Restricted Working Space, Add	11.82	
40 05 23 43-0409 EA 1" Flanges, Stainless Steel Schedule 5 Type 304	79.63	26.40
For Work In Restricted Working Space, Add	15.85	
40 05 23 43-0410 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 304	88.22	27.58
For Work In Restricted Working Space, Add	16.55	
40 05 23 43-0411 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 304	102.37	31.52
For Work In Restricted Working Space, Add	18.92	
40 05 23 43-0412 EA 2" Flanges, Stainless Steel Schedule 5 Type 304	121.81	35.47
For Work In Restricted Working Space, Add	21.26	
40 05 23 43-0413 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 304	164.78	45.32
For Work In Restricted Working Space, Add	27.19	
40 05 23 43-0414 EA 3" Flanges, Stainless Steel Schedule 5 Type 304	182.50	52.41
For Work In Restricted Working Space, Add	31.43	
40 05 23 43-0415 EA 4" Flanges, Stainless Steel Schedule 5 Type 304	249.98	70.93
For Work In Restricted Working Space, Add	42.56	
40 05 23 43-0416 EA 6" Flanges, Stainless Steel Schedule 5 Type 304	378.25	105.21
For Work In Restricted Working Space, Add	63.08	
40 05 23 43-0417 EA 8" Flange, Stainless Steel Schedule 5 Type 304	685.44	123.30
For Work In Restricted Working Space, Add	79.27	
40 05 23 43-0418 EA 10" Flange, Stainless Steel Schedule 5 Type 304	1,037.74	143.85
For Work In Restricted Working Space, Add	92.48	
40 05 23 43-0419 EA 12" Flange, Stainless Steel Schedule 5 Type 304	1,429.46	164.41
For Work In Restricted Working Space, Add	105.69	
40 05 23 43-0420 EA 14" Flange, Stainless Steel Schedule 5 Type 304	1,892.85	205.51
For Work In Restricted Working Space, Add	132.11	
40 05 23 43-0421 EA 16" Flange, Stainless Steel Schedule 5 Type 304	2,525.60	246.61
For Work In Restricted Working Space, Add	158.53	
40 05 23 43-0422 EA 18" Flange, Stainless Steel Schedule 5 Type 304	2,631.15	287.71
For Work In Restricted Working Space, Add	184.96	
40 05 23 43-0423 EA 20" Flange, Stainless Steel Schedule 5 Type 304	3,616.41	349.36
For Work In Restricted Working Space, Add	224.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0424 EA 24" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	8,034.58 290.51	452.11
40 05 23 43-0425 Slip-On Flanges <small>(40 05 23 43-0311)</small>		
40 05 23 43-0426 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	106.73 23.65	39.40
40 05 23 43-0427 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	110.49 23.65	39.40
40 05 23 43-0428 EA 1" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	130.92 29.09	48.47
40 05 23 43-0429 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	144.12 31.44	52.41
40 05 23 43-0430 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	160.66 34.52	57.53
40 05 23 43-0431 EA 2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	186.73 37.79	63.05
40 05 23 43-0432 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	229.42 42.56	70.93
40 05 23 43-0433 EA 3" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	251.32 47.25	78.81
40 05 23 43-0434 EA 4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	342.54 63.35	105.60
40 05 23 43-0435 EA 6" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	518.46 94.42	157.62
40 05 23 43-0436 EA 8" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,478.24 158.53	246.61
40 05 23 43-0437 Caps <small>(40 05 23 43-0311)</small>		
40 05 23 43-0438 EA 1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	54.07 10.88	18.13
40 05 23 43-0439 EA 3/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	59.69 11.82	19.71
40 05 23 43-0440 EA 1" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	75.13 15.61	26.01
40 05 23 43-0441 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	81.03 16.55	27.58
40 05 23 43-0442 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	90.78 18.92	31.52
40 05 23 43-0443 EA 2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	99.52 21.26	35.47
40 05 23 43-0444 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	123.91 27.19	45.32
40 05 23 43-0445 EA 3" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.73 31.43	52.41
40 05 23 43-0446 EA 4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	204.94 42.07	70.14
40 05 23 43-0447 EA 6" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	276.82 63.08	105.21
40 05 23 43-0448 Reducing Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0449 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	144.79 28.62	57.13
40 05 23 43-0450 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	166.31 35.07	70.14
40 05 23 43-0451 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	197.48 39.41	78.81
40 05 23 43-0452 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	197.65 44.92	89.84
40 05 23 43-0453 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	215.06 48.27	96.55
40 05 23 43-0454 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	310.74 52.61	105.21
40 05 23 43-0455 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	303.91 63.05	126.10
40 05 23 43-0456 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	398.09 78.81	157.62
40 05 23 43-0457 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	706.32 90.05	180.08
40 05 23 43-0458 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 304L <i>For Work In Restricted Working Space, Add</i>	1,290.71 132.11	246.61
40 05 23 43-0459 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,066.02 176.15	328.81
40 05 23 43-0460 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,772.01 264.22	493.22
40 05 23 43-0461 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,526.34 317.43	592.68
40 05 23 43-0462 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,933.89 387.21	722.97
40 05 23 43-0463 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,799.64 493.22	920.67

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0464 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,339.23 648.97	1,211.26
40 05 23 43-0465 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	11,260.60 985.55	1,840.51
40 05 23 43-0466 Type 304 Schedule 10 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0467 Pipe <small>(40 05 23 43-0466)</small>		
40 05 23 43-0468 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	13.20 2.13	3.55
40 05 23 43-0469 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	15.73 2.60	4.34
40 05 23 43-0470 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	20.69 3.05	5.12
40 05 23 43-0471 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	25.29 3.81	6.39
40 05 23 43-0472 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.16 4.30	7.17
40 05 23 43-0473 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	34.83 5.33	8.90
40 05 23 43-0474 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	41.54 6.09	10.17
40 05 23 43-0475 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	48.88 6.85	11.42
40 05 23 43-0476 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	61.19 8.11	13.56
40 05 23 43-0477 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	88.82 10.65	17.81
40 05 23 43-0478 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	148.90 20.18	31.40
40 05 23 43-0479 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	188.96 22.19	34.52
40 05 23 43-0480 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	225.50 24.66	38.39
40 05 23 43-0481 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	276.55 27.74	43.16
40 05 23 43-0482 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	304.89 31.70	49.33
40 05 23 43-0483 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	342.11 36.99	57.54
40 05 23 43-0484 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	472.59 44.39	69.05
40 05 23 43-0485 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	615.49 55.49	86.31
40 05 23 43-0486 90 Degree Elbows <small>(40 05 23 43-0466)</small>		
40 05 23 43-0487 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	100.71 26.95	44.92
40 05 23 43-0488 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	106.23 28.61	47.68
40 05 23 43-0489 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	115.69 31.44	52.41
40 05 23 43-0490 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	130.14 34.29	57.13
40 05 23 43-0491 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.23 37.80	63.05
40 05 23 43-0492 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	161.61 42.11	70.14
40 05 23 43-0493 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	209.58 53.84	89.84
40 05 23 43-0494 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	248.09 63.04	105.21
40 05 23 43-0495 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	322.62 75.53	126.10
40 05 23 43-0496 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	516.97 94.38	157.62
40 05 23 43-0497 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	990.20 158.53	246.61
40 05 23 43-0498 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,561.22 211.38	328.81
40 05 23 43-0499 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,400.75 317.07	493.22
40 05 23 43-0500 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,050.44 369.91	575.42
40 05 23 43-0501 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,775.83 421.95	657.62
40 05 23 43-0502 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,804.76 528.44	822.03
40 05 23 43-0503 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,857.21 739.82	1,150.84
40 05 23 43-0504 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,904.72 1,056.89	1,644.05



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0505				45 Degree Elbows <small>(40 05 23 43-0466)</small>		
			EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	105.17	44.92
				<i>For Work In Restricted Working Space, Add</i>	26.95	
			EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	110.69	47.68
				<i>For Work In Restricted Working Space, Add</i>	28.61	
			EA	1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	120.15	52.41
				<i>For Work In Restricted Working Space, Add</i>	31.44	
			EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	131.39	57.13
				<i>For Work In Restricted Working Space, Add</i>	34.27	
			EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	143.69	63.05
				<i>For Work In Restricted Working Space, Add</i>	37.85	
			EA	2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	169.54	70.14
				<i>For Work In Restricted Working Space, Add</i>	42.11	
			EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	209.04	89.84
				<i>For Work In Restricted Working Space, Add</i>	53.89	
			EA	3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	241.05	105.21
				<i>For Work In Restricted Working Space, Add</i>	63.12	
			EA	4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	305.95	126.10
				<i>For Work In Restricted Working Space, Add</i>	75.60	
			EA	6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	430.48	157.62
				<i>For Work In Restricted Working Space, Add</i>	94.57	
			EA	8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	881.12	246.61
				<i>For Work In Restricted Working Space, Add</i>	158.53	
			EA	10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,285.57	328.81
				<i>For Work In Restricted Working Space, Add</i>	211.38	
			EA	12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,983.60	493.22
				<i>For Work In Restricted Working Space, Add</i>	317.07	
			EA	14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,461.63	575.42
				<i>For Work In Restricted Working Space, Add</i>	369.91	
			EA	16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	3,021.21	657.62
				<i>For Work In Restricted Working Space, Add</i>	421.95	
			EA	18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	4,118.13	822.03
				<i>For Work In Restricted Working Space, Add</i>	528.44	
			EA	20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	6,980.25	1,150.84
				<i>For Work In Restricted Working Space, Add</i>	739.82	
			EA	24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	9,461.08	1,644.05
				<i>For Work In Restricted Working Space, Add</i>	1,056.89	
40 05 23 43-0524				Tees <small>(40 05 23 43-0466)</small>		
			EA	1/2" Tees, Stainless Steel Schedule 10 Type 304	150.67	57.13
				<i>For Work In Restricted Working Space, Add</i>	34.25	
			EA	3/4" Tees, Stainless Steel Schedule 10 Type 304	176.66	70.14
				<i>For Work In Restricted Working Space, Add</i>	42.05	
			EA	1" Tees, Stainless Steel Schedule 10 Type 304	193.98	78.81
				<i>For Work In Restricted Working Space, Add</i>	47.25	
			EA	1-1/4" Tees, Stainless Steel Schedule 10 Type 304	219.83	89.84
				<i>For Work In Restricted Working Space, Add</i>	53.91	
			EA	1-1/2" Tees, Stainless Steel Schedule 10 Type 304	234.21	96.55
				<i>For Work In Restricted Working Space, Add</i>	57.86	
			EA	2" Tees, Stainless Steel Schedule 10 Type 304	274.75	105.21
				<i>For Work In Restricted Working Space, Add</i>	63.09	
			EA	2-1/2" Tees, Stainless Steel Schedule 10 Type 304	331.07	126.10
				<i>For Work In Restricted Working Space, Add</i>	75.60	
			EA	3" Tees, Stainless Steel Schedule 10 Type 304	427.54	157.62
				<i>For Work In Restricted Working Space, Add</i>	94.69	
			EA	4" Tees, Stainless Steel Schedule 10 Type 304	475.93	177.32
				<i>For Work In Restricted Working Space, Add</i>	106.29	
			EA	6" Tees, Stainless Steel Schedule 10 Type 304	810.93	236.43
				<i>For Work In Restricted Working Space, Add</i>	141.84	
			EA	8" Tee, Stainless Steel Schedule 10 Type 304	1,351.21	328.81
				<i>For Work In Restricted Working Space, Add</i>	211.38	
			EA	10" Tee, Stainless Steel Schedule 10 Type 304	1,985.66	493.22
				<i>For Work In Restricted Working Space, Add</i>	317.07	
			EA	12" Tee, Stainless Steel Schedule 10 Type 304	3,333.43	616.52
				<i>For Work In Restricted Working Space, Add</i>	396.33	
			EA	14" Tee, Stainless Steel Schedule 10 Type 304	4,224.26	739.82
				<i>For Work In Restricted Working Space, Add</i>	476.28	
			EA	16" Tee, Stainless Steel Schedule 10 Type 304	4,748.80	904.23
				<i>For Work In Restricted Working Space, Add</i>	581.01	
			EA	18" Tee, Stainless Steel Schedule 10 Type 304	5,819.95	1,150.84
				<i>For Work In Restricted Working Space, Add</i>	739.82	
			EA	20" Tee, Stainless Steel Schedule 10 Type 304	8,754.67	1,520.75
				<i>For Work In Restricted Working Space, Add</i>	973.45	
			EA	24" Tee, Stainless Steel Schedule 10 Type 304	13,416.49	2,301.67
				<i>For Work In Restricted Working Space, Add</i>	1,479.64	
40 05 23 43-0543				Reducers <small>(40 05 23 43-0466)</small>		
			EA	3/4" Reducer, Stainless Steel Schedule 10 Type 304.....	114.48	43.34
				<i>For Work In Restricted Working Space, Add</i>	26.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0545 EA 1" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	126.58 28.37	47.29
40 05 23 43-0546 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	154.80 31.44	52.41
40 05 23 43-0547 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	135.60 34.26	57.13
40 05 23 43-0548 EA 2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	149.30 37.83	63.05
40 05 23 43-0549 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	192.74 47.28	78.81
40 05 23 43-0550 EA 3" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	214.25 53.84	89.84
40 05 23 43-0551 EA 4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	249.51 63.08	105.21
40 05 23 43-0552 EA 6" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	321.24 80.32	133.98
40 05 23 43-0553 EA 8" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	668.06 126.83	197.28
40 05 23 43-0554 EA 10" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	869.60 158.53	246.61
40 05 23 43-0555 EA 12" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,156.28 211.38	328.81
40 05 23 43-0556 EA 14" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,533.97 277.43	431.56
40 05 23 43-0557 EA 16" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,814.11 316.43	493.22
40 05 23 43-0558 EA 18" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,256.44 396.33	616.52
40 05 23 43-0559 EA 20" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,380.91 528.44	822.03
40 05 23 43-0560 EA 24" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,281.68 792.67	1,233.04
40 05 23 43-0561 Flanges (40 05 23 43-0466)		
40 05 23 43-0562 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	64.48 10.88	18.13
40 05 23 43-0563 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	67.63 11.82	19.71
40 05 23 43-0564 EA 1" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	81.04 15.85	26.40
40 05 23 43-0565 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	89.96 16.55	27.58
40 05 23 43-0566 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	104.44 18.92	31.52
40 05 23 43-0567 EA 2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	124.50 21.26	35.47
40 05 23 43-0568 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	168.70 27.19	45.32
40 05 23 43-0569 EA 3" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	186.58 31.42	52.41
40 05 23 43-0570 EA 4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	255.69 42.56	70.93
40 05 23 43-0571 EA 6" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	387.06 63.07	105.21
40 05 23 43-0572 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	707.60 79.27	123.30
40 05 23 43-0573 EA 10" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,076.13 92.48	143.85
40 05 23 43-0574 EA 12" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,486.16 105.69	164.41
40 05 23 43-0575 EA 14" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,969.30 132.11	205.51
40 05 23 43-0576 EA 16" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,630.72 158.53	246.61
40 05 23 43-0577 EA 18" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,737.19 184.96	287.71
40 05 23 43-0578 EA 20" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,767.33 224.64	349.36
40 05 23 43-0579 EA 24" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,406.48 290.51	452.11
40 05 23 43-0580 Slip-On Flanges (40 05 23 43-0466)		
40 05 23 43-0581 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.20 23.65	39.40
40 05 23 43-0582 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	112.16 23.65	39.40
40 05 23 43-0583 EA 1" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	132.70 29.09	48.47
40 05 23 43-0584 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.19 31.44	52.41
40 05 23 43-0585 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	163.05 34.52	57.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0586 EA 2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	189.97 37.80	63.05
40 05 23 43-0587 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	234.05 42.56	70.93
40 05 23 43-0588 EA 3" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	256.27 47.25	78.81
40 05 23 43-0589 EA 4" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	349.49 63.37	105.60
40 05 23 43-0590 EA 6" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	529.38 94.48	157.62
40 05 23 43-0591 EA 8" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,528.23 158.53	246.61
40 05 23 43-0592 Caps (40 05 23 43-0466)		
40 05 23 43-0593 EA 1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	55.01 10.88	18.13
40 05 23 43-0594 EA 3/4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	60.76 11.82	19.71
40 05 23 43-0595 EA 1" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	76.35 15.61	26.01
40 05 23 43-0596 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	82.39 16.55	27.58
40 05 23 43-0597 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	92.25 18.92	31.52
40 05 23 43-0598 EA 2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	101.04 21.26	35.47
40 05 23 43-0599 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	125.67 27.19	45.32
40 05 23 43-0600 EA 3" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	143.66 31.42	52.41
40 05 23 43-0601 EA 4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	208.39 42.08	70.14
40 05 23 43-0602 EA 6" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	280.29 63.07	105.21
40 05 23 43-0603 Reducing Tees (40 05 23 43-0466)		
40 05 23 43-0604 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	148.70 28.62	57.13
40 05 23 43-0605 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	183.64 35.07	70.14
40 05 23 43-0606 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	204.83 39.41	78.81
40 05 23 43-0607 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	229.97 44.92	89.84
40 05 23 43-0608 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	255.08 48.27	96.55
40 05 23 43-0609 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	364.31 52.61	105.21
40 05 23 43-0610 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	373.68 63.05	126.10
40 05 23 43-0611 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	462.91 78.81	157.62
40 05 23 43-0612 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	794.20 90.05	180.08
40 05 23 43-0613 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,385.19 132.11	246.61
40 05 23 43-0614 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,911.68 176.15	328.81
40 05 23 43-0615 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,821.08 264.22	493.22
40 05 23 43-0616 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,910.70 317.43	592.68
40 05 23 43-0617 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	5,399.63 387.21	722.97
40 05 23 43-0618 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	6,544.62 493.22	920.67
40 05 23 43-0619 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	8,692.28 648.97	1,211.42
40 05 23 43-0620 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	13,019.22 985.55	1,840.35
40 05 23 43-0621 Type 304 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0622 Pipe (40 05 23 43-0621)		
40 05 23 43-0623 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	14.70 2.13	3.55
40 05 23 43-0624 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	17.86 2.60	4.34
40 05 23 43-0625 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	21.83 3.05	5.12

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0626 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	27.29 3.81	6.30
40 05 23 43-0627 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	31.41 4.30	7.09
40 05 23 43-0628 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	40.18 5.33	9.07
40 05 23 43-0629 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	49.70 6.09	10.24
40 05 23 43-0630 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	48.73 6.85	11.42
40 05 23 43-0631 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	79.39 8.11	13.39
40 05 23 43-0632 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	122.98 10.65	17.73
40 05 23 43-0633 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	217.22 20.18	31.24
40 05 23 43-0634 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	273.94 22.19	34.52
40 05 23 43-0635 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	340.48 24.66	38.22
40 05 23 43-0636 90 Degree Elbows <small>(40 05 23 43-0621)</small>		
40 05 23 43-0637 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	105.59 26.95	44.92
40 05 23 43-0638 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	111.11 28.61	47.68
40 05 23 43-0639 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	122.69 31.44	52.41
40 05 23 43-0640 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.04 34.29	57.13
40 05 23 43-0641 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	148.30 37.80	63.05
40 05 23 43-0642 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	170.10 42.11	70.14
40 05 23 43-0643 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	241.45 53.84	89.84
40 05 23 43-0644 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	294.24 63.04	105.21
40 05 23 43-0645 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	400.50 75.53	126.10
40 05 23 43-0646 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	810.32 94.38	157.62
40 05 23 43-0647 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,360.56 158.53	246.61
40 05 23 43-0648 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,466.20 211.38	328.81
40 05 23 43-0649 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,491.28 317.07	493.22
40 05 23 43-0650 45 Degree <small>(40 05 23 43-0621)</small>		
40 05 23 43-0651 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	112.14 26.95	44.92
40 05 23 43-0652 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	117.66 28.61	47.68
40 05 23 43-0653 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	127.12 31.44	52.41
40 05 23 43-0654 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	136.54 34.27	57.13
40 05 23 43-0655 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	155.89 37.85	63.05
40 05 23 43-0656 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	171.61 42.11	70.14
40 05 23 43-0657 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	238.93 53.89	89.84
40 05 23 43-0658 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	269.71 63.12	105.21
40 05 23 43-0659 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	356.47 75.60	126.10
40 05 23 43-0660 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	612.68 94.57	157.62
40 05 23 43-0661 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,077.28 158.53	246.61
40 05 23 43-0662 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,758.02 211.38	328.81
40 05 23 43-0663 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,420.15 317.07	493.22
40 05 23 43-0664 Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0665 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	166.41 34.25	57.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0666 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304	192.40	70.14
<i>For Work In Restricted Working Space, Add</i>	42.05	
40 05 23 43-0667 EA 1" Tees, Stainless Steel Schedule 40 Type 304	209.72	78.81
<i>For Work In Restricted Working Space, Add</i>	47.25	
40 05 23 43-0668 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304	263.79	89.84
<i>For Work In Restricted Working Space, Add</i>	53.91	
40 05 23 43-0669 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304	245.09	96.55
<i>For Work In Restricted Working Space, Add</i>	57.86	
40 05 23 43-0670 EA 2" Tees, Stainless Steel Schedule 40 Type 304	265.17	105.21
<i>For Work In Restricted Working Space, Add</i>	63.09	
40 05 23 43-0671 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304	400.73	126.10
<i>For Work In Restricted Working Space, Add</i>	75.60	
40 05 23 43-0672 EA 3" Tees, Stainless Steel Schedule 40 Type 304	434.26	157.62
<i>For Work In Restricted Working Space, Add</i>	94.69	
40 05 23 43-0673 EA 4" Tees, Stainless Steel Schedule 40 Type 304	515.41	177.32
<i>For Work In Restricted Working Space, Add</i>	106.29	
40 05 23 43-0674 EA 6" Tees, Stainless Steel Schedule 40 Type 304	956.15	236.43
<i>For Work In Restricted Working Space, Add</i>	141.84	
40 05 23 43-0675 EA 8" Tee, Stainless Steel Schedule 40 Type 304	2,005.88	328.81
<i>For Work In Restricted Working Space, Add</i>	211.38	
40 05 23 43-0676 EA 10" Tee, Stainless Steel Schedule 40 Type 304	3,535.54	493.22
<i>For Work In Restricted Working Space, Add</i>	317.07	
40 05 23 43-0677 EA 12" Tee, Stainless Steel Schedule 40 Type 304	4,419.42	616.52
<i>For Work In Restricted Working Space, Add</i>	396.33	
40 05 23 43-0678 Reducers (40 05 23 43-0621)		
40 05 23 43-0679 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304	117.81	43.34
<i>For Work In Restricted Working Space, Add</i>	26.03	
40 05 23 43-0680 EA 1" Reducer, Stainless Steel Schedule 40 Type 304	130.41	47.29
<i>For Work In Restricted Working Space, Add</i>	28.36	
40 05 23 43-0681 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	160.79	52.41
<i>For Work In Restricted Working Space, Add</i>	31.44	
40 05 23 43-0682 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	138.19	57.13
<i>For Work In Restricted Working Space, Add</i>	34.26	
40 05 23 43-0683 EA 2" Reducer, Stainless Steel Schedule 40 Type 304	152.11	63.05
<i>For Work In Restricted Working Space, Add</i>	37.84	
40 05 23 43-0684 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	196.99	78.81
<i>For Work In Restricted Working Space, Add</i>	47.29	
40 05 23 43-0685 EA 3" Reducer, Stainless Steel Schedule 40 Type 304	218.40	89.84
<i>For Work In Restricted Working Space, Add</i>	53.83	
40 05 23 43-0686 EA 4" Reducer, Stainless Steel Schedule 40 Type 304	254.22	105.21
<i>For Work In Restricted Working Space, Add</i>	63.08	
40 05 23 43-0687 EA 6" Reducer, Stainless Steel Schedule 40 Type 304	327.64	133.98
<i>For Work In Restricted Working Space, Add</i>	80.31	
40 05 23 43-0688 EA 8" Reducer, Stainless Steel Schedule 40 Type 304	697.49	197.28
<i>For Work In Restricted Working Space, Add</i>	126.83	
40 05 23 43-0689 EA 10" Reducer, Stainless Steel Schedule 40 Type 304	910.54	246.61
<i>For Work In Restricted Working Space, Add</i>	158.53	
40 05 23 43-0690 EA 12" Reducer, Stainless Steel Schedule 40 Type 304	1,210.49	328.81
<i>For Work In Restricted Working Space, Add</i>	211.38	
40 05 23 43-0691 Flanges (40 05 23 43-0621)		
40 05 23 43-0692 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304	67.86	18.13
<i>For Work In Restricted Working Space, Add</i>	10.88	
40 05 23 43-0693 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304	71.01	19.71
<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0694 EA 1" Flanges, Stainless Steel Schedule 40 Type 304	84.42	26.40
<i>For Work In Restricted Working Space, Add</i>	15.85	
40 05 23 43-0695 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	94.14	27.58
<i>For Work In Restricted Working Space, Add</i>	16.55	
40 05 23 43-0696 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	109.40	31.52
<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0697 EA 2" Flanges, Stainless Steel Schedule 40 Type 304	130.94	35.47
<i>For Work In Restricted Working Space, Add</i>	21.26	
40 05 23 43-0698 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	178.06	45.32
<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-0699 EA 3" Flanges, Stainless Steel Schedule 40 Type 304	196.40	52.41
<i>For Work In Restricted Working Space, Add</i>	31.42	
40 05 23 43-0700 EA 4" Flanges, Stainless Steel Schedule 40 Type 304	269.35	70.93
<i>For Work In Restricted Working Space, Add</i>	42.56	
40 05 23 43-0701 EA 6" Flanges, Stainless Steel Schedule 40 Type 304	408.27	105.21
<i>For Work In Restricted Working Space, Add</i>	63.07	
40 05 23 43-0702 EA 8" Flange, Stainless Steel Schedule 40 Type 304	760.81	123.30
<i>For Work In Restricted Working Space, Add</i>	79.27	
40 05 23 43-0703 EA 10" Flange, Stainless Steel Schedule 40 Type 304	1,168.28	143.85
<i>For Work In Restricted Working Space, Add</i>	92.48	
40 05 23 43-0704 EA 12" Flange, Stainless Steel Schedule 40 Type 304	1,622.22	164.41
<i>For Work In Restricted Working Space, Add</i>	105.69	
40 05 23 43-0705 Slip-On Flanges (40 05 23 43-0621)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0706 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304	111.72	39.40
<i>For Work In Restricted Working Space, Add</i>	23.65	
40 05 23 43-0707 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304	116.16	39.40
<i>For Work In Restricted Working Space, Add</i>	23.65	
40 05 23 43-0708 EA 1" Flange, Stainless Steel Schedule 40 Type 304	136.99	48.47
<i>For Work In Restricted Working Space, Add</i>	29.09	
40 05 23 43-0709 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304	151.15	52.41
<i>For Work In Restricted Working Space, Add</i>	31.44	
40 05 23 43-0710 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304	168.81	57.53
<i>For Work In Restricted Working Space, Add</i>	34.52	
40 05 23 43-0711 EA 2" Flange, Stainless Steel Schedule 40 Type 304	197.64	63.05
<i>For Work In Restricted Working Space, Add</i>	37.80	
40 05 23 43-0712 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304	245.11	70.93
<i>For Work In Restricted Working Space, Add</i>	42.56	
40 05 23 43-0713 EA 3" Flange, Stainless Steel Schedule 40 Type 304	268.12	78.81
<i>For Work In Restricted Working Space, Add</i>	47.25	
40 05 23 43-0714 EA 4" Flange, Stainless Steel Schedule 40 Type 304	366.09	105.60
<i>For Work In Restricted Working Space, Add</i>	63.37	
40 05 23 43-0715 EA 6" Flange, Stainless Steel Schedule 40 Type 304	555.11	157.62
<i>For Work In Restricted Working Space, Add</i>	94.48	
40 05 23 43-0716 EA 8" Flange, Stainless Steel Schedule 40 Type 304	1,648.21	246.61
<i>For Work In Restricted Working Space, Add</i>	158.53	
40 05 23 43-0717 Caps (40 05 23 43-0621)		
40 05 23 43-0718 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304	57.26	18.13
<i>For Work In Restricted Working Space, Add</i>	10.88	
40 05 23 43-0719 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304	63.32	19.71
<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-0720 EA 1" Cap, Stainless Steel Schedule 40 Type 304	79.27	26.01
<i>For Work In Restricted Working Space, Add</i>	15.61	
40 05 23 43-0721 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304	85.66	27.58
<i>For Work In Restricted Working Space, Add</i>	16.55	
40 05 23 43-0722 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304	95.75	31.52
<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-0723 EA 2" Cap, Stainless Steel Schedule 40 Type 304	104.66	35.47
<i>For Work In Restricted Working Space, Add</i>	21.26	
40 05 23 43-0724 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304	129.87	45.32
<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-0725 EA 3" Cap, Stainless Steel Schedule 40 Type 304	148.33	52.41
<i>For Work In Restricted Working Space, Add</i>	31.42	
40 05 23 43-0726 EA 4" Cap, Stainless Steel Schedule 40 Type 304	216.56	70.14
<i>For Work In Restricted Working Space, Add</i>	42.08	
40 05 23 43-0727 EA 6" Cap, Stainless Steel Schedule 40 Type 304	288.69	105.21
<i>For Work In Restricted Working Space, Add</i>	63.07	
40 05 23 43-0728 Reducing Tees (40 05 23 43-0621)		
40 05 23 43-0729 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	152.58	57.13
<i>For Work In Restricted Working Space, Add</i>	28.54	
40 05 23 43-0730 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	174.22	70.14
<i>For Work In Restricted Working Space, Add</i>	35.03	
40 05 23 43-0731 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304	188.70	78.81
<i>For Work In Restricted Working Space, Add</i>	39.38	
40 05 23 43-0732 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	242.18	89.84
<i>For Work In Restricted Working Space, Add</i>	44.90	
40 05 23 43-0733 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	218.10	96.55
<i>For Work In Restricted Working Space, Add</i>	48.20	
40 05 23 43-0734 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304	235.59	105.21
<i>For Work In Restricted Working Space, Add</i>	52.57	
40 05 23 43-0735 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	373.54	126.10
<i>For Work In Restricted Working Space, Add</i>	62.99	
40 05 23 43-0736 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304	393.60	157.62
<i>For Work In Restricted Working Space, Add</i>	78.94	
40 05 23 43-0737 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304	472.52	177.32
<i>For Work In Restricted Working Space, Add</i>	88.59	
40 05 23 43-0738 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304	925.40	236.43
<i>For Work In Restricted Working Space, Add</i>	118.12	
40 05 23 43-0739 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304	2,018.58	328.81
<i>For Work In Restricted Working Space, Add</i>	176.15	
40 05 23 43-0740 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304	3,607.26	493.22
<i>For Work In Restricted Working Space, Add</i>	264.22	
40 05 23 43-0741 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304	4,509.07	616.52
<i>For Work In Restricted Working Space, Add</i>	330.28	
40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0743 Pipe (40 05 23 43-0742)		
40 05 23 43-0744 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	14.47	3.63
<i>For Work In Restricted Working Space, Add</i>	2.18	
40 05 23 43-0745 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	17.21	4.56
<i>For Work In Restricted Working Space, Add</i>	2.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0746 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	21.64 3.27	5.50
40 05 23 43-0747 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	26.33 3.82	6.34
40 05 23 43-0748 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.56 4.34	7.19
40 05 23 43-0749 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	39.34 5.45	9.13
40 05 23 43-0750 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	53.28 6.50	10.82
40 05 23 43-0751 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	69.38 8.18	13.61
40 05 23 43-0752 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	93.00 10.79	18.01
40 05 23 43-0753 90 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0754 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	38.17 8.18	13.61
40 05 23 43-0755 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	49.69 10.79	18.01
40 05 23 43-0756 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	61.81 13.71	22.83
40 05 23 43-0757 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	89.19 18.79	31.28
40 05 23 43-0758 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	101.57 22.06	36.78
40 05 23 43-0759 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	132.54 26.70	44.48
40 05 23 43-0760 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	246.63 42.28	70.43
40 05 23 43-0761 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	322.34 54.53	90.89
40 05 23 43-0762 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	492.71 67.61	112.70
40 05 23 43-0763 45 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0764 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	42.01 8.18	13.61
40 05 23 43-0765 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	54.15 10.79	18.01
40 05 23 43-0766 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	64.05 13.71	22.83
40 05 23 43-0767 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	86.93 18.79	31.28
40 05 23 43-0768 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	102.72 22.06	36.78
40 05 23 43-0769 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	131.58 26.70	44.48
40 05 23 43-0770 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	279.85 42.28	70.43
40 05 23 43-0771 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	385.99 54.55	90.89
40 05 23 43-0772 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	594.30 67.64	112.70
40 05 23 43-0773 Tees <small>(40 05 23 43-0742)</small>		
40 05 23 43-0774 EA 1/2" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	56.66 12.37	20.63
40 05 23 43-0775 EA 3/4" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	73.59 16.37	27.31
40 05 23 43-0776 EA 1" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	87.71 20.29	33.82
40 05 23 43-0777 EA 1-1/4" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	129.62 28.19	47.01
40 05 23 43-0778 EA 1-1/2" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.40 31.71	52.84
40 05 23 43-0779 EA 2" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	197.55 42.28	70.43
40 05 23 43-0780 EA 2-1/2" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	369.65 61.12	101.89
40 05 23 43-0781 EA 3" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	528.21 81.83	136.39
40 05 23 43-0782 EA 4" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	751.68 101.46	169.10
40 05 23 43-0783 Reducers <small>(40 05 23 43-0742)</small>		
40 05 23 43-0784 EA 3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	46.12 10.79	18.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0785 EA 1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316.....	62.15	22.83
<i>For Work In Restricted Working Space, Add</i>	13.71	
40 05 23 43-0786 EA 1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316.....	87.62	31.28
<i>For Work In Restricted Working Space, Add</i>	18.79	
40 05 23 43-0787 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316	105.42	36.78
<i>For Work In Restricted Working Space, Add</i>	22.06	
40 05 23 43-0788 EA 2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	134.62	44.48
<i>For Work In Restricted Working Space, Add</i>	26.70	
40 05 23 43-0789 EA 2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316.....	248.53	70.43
<i>For Work In Restricted Working Space, Add</i>	42.28	
40 05 23 43-0790 EA 3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	328.54	90.89
<i>For Work In Restricted Working Space, Add</i>	54.55	
40 05 23 43-0791 EA 4" x 3" Reducer, Stainless Steel Schedule 40 Type 316.....	454.11	112.70
<i>For Work In Restricted Working Space, Add</i>	67.64	
40 05 23 43-0792 Unions (40 05 23 43-0742)		
40 05 23 43-0793 EA 1/2" Union, Stainless Steel Schedule 40 Type 316.....	62.98	20.63
<i>For Work In Restricted Working Space, Add</i>	12.37	
40 05 23 43-0794 EA 3/4" Union, Stainless Steel Schedule 40 Type 316.....	82.26	27.31
<i>For Work In Restricted Working Space, Add</i>	16.37	
40 05 23 43-0795 EA 1" Union, Stainless Steel Schedule 40 Type 316.....	111.89	33.82
<i>For Work In Restricted Working Space, Add</i>	20.29	
40 05 23 43-0796 EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316.....	173.00	47.01
<i>For Work In Restricted Working Space, Add</i>	28.19	
40 05 23 43-0797 EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316.....	200.46	52.84
<i>For Work In Restricted Working Space, Add</i>	31.71	
40 05 23 43-0798 EA 2" Union, Stainless Steel Schedule 40 Type 316.....	266.12	70.43
<i>For Work In Restricted Working Space, Add</i>	42.28	
40 05 23 43-0799 Flanges (40 05 23 43-0742)		
40 05 23 43-0800 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316	247.61	70.43
<i>For Work In Restricted Working Space, Add</i>	42.28	
40 05 23 43-0801 EA 3" Flange, Stainless Steel Schedule 40 Type 316	300.40	90.89
<i>For Work In Restricted Working Space, Add</i>	54.55	
40 05 23 43-0802 EA 4" Flange, Stainless Steel Schedule 40 Type 316	394.67	112.70
<i>For Work In Restricted Working Space, Add</i>	67.64	
40 05 23 43-0803 Caps (40 05 23 43-0742)		
40 05 23 43-0804 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....	17.57	6.85
<i>For Work In Restricted Working Space, Add</i>	4.09	
40 05 23 43-0805 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....	23.92	9.13
<i>For Work In Restricted Working Space, Add</i>	5.45	
40 05 23 43-0806 EA 1" Cap, Stainless Steel Schedule 40 Type 316.....	30.96	11.25
<i>For Work In Restricted Working Space, Add</i>	6.76	
40 05 23 43-0807 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....	53.97	15.98
<i>For Work In Restricted Working Space, Add</i>	9.57	
40 05 23 43-0808 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	61.47	18.01
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0809 EA 2" Cap, Stainless Steel Schedule 40 Type 316.....	78.01	22.83
<i>For Work In Restricted Working Space, Add</i>	13.71	
40 05 23 43-0810 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	119.67	33.82
<i>For Work In Restricted Working Space, Add</i>	20.29	
40 05 23 43-0811 EA 3" Cap, Stainless Steel Schedule 40 Type 316.....	160.89	44.48
<i>For Work In Restricted Working Space, Add</i>	26.70	
40 05 23 43-0812 EA 4" Cap, Stainless Steel Schedule 40 Type 316.....	245.62	56.40
<i>For Work In Restricted Working Space, Add</i>	33.82	
40 05 23 43-0813 Type 316 Schedule 5 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0814 Pipe (40 05 23 43-0813)		
40 05 23 43-0815 LF 1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	15.20	3.55
<i>For Work In Restricted Working Space, Add</i>	2.13	
40 05 23 43-0816 LF 3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	17.99	4.34
<i>For Work In Restricted Working Space, Add</i>	2.60	
40 05 23 43-0817 LF 1" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	21.44	5.12
<i>For Work In Restricted Working Space, Add</i>	3.05	
40 05 23 43-0818 LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	25.57	6.39
<i>For Work In Restricted Working Space, Add</i>	3.81	
40 05 23 43-0819 LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	29.17	7.17
<i>For Work In Restricted Working Space, Add</i>	4.30	
40 05 23 43-0820 LF 2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	36.36	8.90
<i>For Work In Restricted Working Space, Add</i>	5.33	
40 05 23 43-0821 LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	46.18	10.17
<i>For Work In Restricted Working Space, Add</i>	6.09	
40 05 23 43-0822 LF 3" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	54.06	11.42
<i>For Work In Restricted Working Space, Add</i>	6.85	
40 05 23 43-0823 LF 4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	66.91	13.56
<i>For Work In Restricted Working Space, Add</i>	8.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0824 LF 6" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting	109.46	17.81
For Work In Restricted Working Space, Add	10.65	
40 05 23 43-0825 LF 8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	180.50	31.40
For Work In Restricted Working Space, Add	20.18	
40 05 23 43-0826 LF 10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	233.45	34.52
For Work In Restricted Working Space, Add	22.19	
40 05 23 43-0827 LF 12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	267.34	38.39
For Work In Restricted Working Space, Add	24.66	
40 05 23 43-0828 LF 14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	330.27	43.16
For Work In Restricted Working Space, Add	27.74	
40 05 23 43-0829 LF 16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	363.05	49.33
For Work In Restricted Working Space, Add	31.70	
40 05 23 43-0830 LF 18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	405.99	57.54
For Work In Restricted Working Space, Add	36.99	
40 05 23 43-0831 LF 20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	545.29	69.05
For Work In Restricted Working Space, Add	44.39	
40 05 23 43-0832 LF 24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting	711.89	86.31
For Work In Restricted Working Space, Add	55.49	
40 05 23 43-0833 90 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0834 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	107.75	44.92
For Work In Restricted Working Space, Add	26.95	
40 05 23 43-0835 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	114.20	47.68
For Work In Restricted Working Space, Add	28.61	
40 05 23 43-0836 EA 1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	125.29	52.41
For Work In Restricted Working Space, Add	31.44	
40 05 23 43-0837 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	147.07	57.13
For Work In Restricted Working Space, Add	34.28	
40 05 23 43-0838 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	151.73	63.05
For Work In Restricted Working Space, Add	37.79	
40 05 23 43-0839 EA 2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	174.88	70.14
For Work In Restricted Working Space, Add	42.10	
40 05 23 43-0840 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	228.62	89.84
For Work In Restricted Working Space, Add	53.83	
40 05 23 43-0841 EA 3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	272.11	105.21
For Work In Restricted Working Space, Add	63.01	
40 05 23 43-0842 EA 4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	366.39	126.10
For Work In Restricted Working Space, Add	75.49	
40 05 23 43-0843 EA 6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	642.62	157.62
For Work In Restricted Working Space, Add	94.42	
40 05 23 43-0844 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	1,085.86	246.61
For Work In Restricted Working Space, Add	158.53	
40 05 23 43-0845 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	1,852.22	328.81
For Work In Restricted Working Space, Add	211.38	
40 05 23 43-0846 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	2,367.28	493.22
For Work In Restricted Working Space, Add	317.07	
40 05 23 43-0847 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	3,682.88	575.42
For Work In Restricted Working Space, Add	369.91	
40 05 23 43-0848 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	4,601.13	657.62
For Work In Restricted Working Space, Add	421.95	
40 05 23 43-0849 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	5,869.53	822.03
For Work In Restricted Working Space, Add	528.44	
40 05 23 43-0850 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	9,726.60	1,150.84
For Work In Restricted Working Space, Add	739.82	
40 05 23 43-0851 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	13,476.90	1,644.05
For Work In Restricted Working Space, Add	1,056.89	
40 05 23 43-0852 45 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0853 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	115.59	44.92
For Work In Restricted Working Space, Add	26.95	
40 05 23 43-0854 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	121.11	47.68
For Work In Restricted Working Space, Add	28.61	
40 05 23 43-0855 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	133.84	52.41
For Work In Restricted Working Space, Add	31.44	
40 05 23 43-0856 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	163.39	57.13
For Work In Restricted Working Space, Add	34.26	
40 05 23 43-0857 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	152.49	63.05
For Work In Restricted Working Space, Add	37.84	
40 05 23 43-0858 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	170.66	70.14
For Work In Restricted Working Space, Add	42.10	
40 05 23 43-0859 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	229.97	89.84
For Work In Restricted Working Space, Add	53.88	
40 05 23 43-0860 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	262.02	105.21
For Work In Restricted Working Space, Add	63.15	
40 05 23 43-0861 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	343.29	126.10
For Work In Restricted Working Space, Add	75.59	
40 05 23 43-0862 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	511.98	157.62
For Work In Restricted Working Space, Add	94.57	
40 05 23 43-0863 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	872.73	246.61
For Work In Restricted Working Space, Add	158.53	
40 05 23 43-0864 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316.....	1,477.48	328.81
For Work In Restricted Working Space, Add	211.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0865 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,286.49 317.07	493.22
40 05 23 43-0866 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,863.14 369.91	575.42
40 05 23 43-0867 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,549.52 421.95	657.62
40 05 23 43-0868 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,888.19 528.44	822.03
40 05 23 43-0869 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,450.16 739.82	1,150.84
40 05 23 43-0870 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,404.14 1,056.89	1,644.05
40 05 23 43-0871 Tees (40 05 23 43-0813)		
40 05 23 43-0872 EA 1/2" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	186.79 34.25	57.13
40 05 23 43-0873 EA 3/4" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	212.78 42.05	70.14
40 05 23 43-0874 EA 1" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	226.58 47.25	78.81
40 05 23 43-0875 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	297.89 53.88	89.84
40 05 23 43-0876 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	261.88 57.84	96.55
40 05 23 43-0877 EA 2" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	282.88 63.08	105.21
40 05 23 43-0878 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	458.06 75.59	126.10
40 05 23 43-0879 EA 3" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	450.41 94.72	157.62
40 05 23 43-0880 EA 4" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	544.07 106.31	177.32
40 05 23 43-0881 EA 6" Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,046.30 141.74	236.43
40 05 23 43-0882 EA 8" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,016.17 211.38	328.81
40 05 23 43-0883 EA 10" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,117.94 317.07	493.22
40 05 23 43-0884 EA 12" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,955.98 396.33	616.52
40 05 23 43-0885 EA 14" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,037.52 476.28	739.82
40 05 23 43-0886 EA 16" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,618.50 581.01	904.23
40 05 23 43-0887 EA 18" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,857.52 739.82	1,150.84
40 05 23 43-0888 EA 20" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,458.51 973.45	1,520.75
40 05 23 43-0889 EA 24" Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	16,040.74 1,479.64	2,301.67
40 05 23 43-0890 Reducers (40 05 23 43-0813)		
40 05 23 43-0891 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.60 26.03	43.34
40 05 23 43-0892 EA 1" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	134.79 28.36	47.29
40 05 23 43-0893 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	167.62 31.44	52.41
40 05 23 43-0894 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	141.11 34.26	57.13
40 05 23 43-0895 EA 2" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	155.28 37.84	63.05
40 05 23 43-0896 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	201.79 47.29	78.81
40 05 23 43-0897 EA 3" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	223.15 53.83	89.84
40 05 23 43-0898 EA 4" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	259.59 63.08	105.21
40 05 23 43-0899 EA 6" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	334.95 80.31	133.98
40 05 23 43-0900 EA 8" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	731.03 126.83	197.28
40 05 23 43-0901 EA 10" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	957.19 158.53	246.61
40 05 23 43-0902 EA 12" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,272.25 211.38	328.81
40 05 23 43-0903 EA 14" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,690.37 277.43	431.56
40 05 23 43-0904 EA 16" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,008.15 316.16	493.22
40 05 23 43-0905 EA 18" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,496.56 396.33	616.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0906 EA 20" Reducer, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,796.66 528.44	822.03
40 05 23 43-0907 EA 24" Reducer, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,959.31 792.67	1,233.04
40 05 23 43-0908 Weld Neck Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0909 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	70.30 10.88	18.13
40 05 23 43-0910 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	73.45 11.82	19.71
40 05 23 43-0911 EA 1" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	86.86 15.85	26.40
40 05 23 43-0912 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	97.15 16.55	27.58
40 05 23 43-0913 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	112.98 18.92	31.52
40 05 23 43-0914 EA 2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	135.57 21.26	35.47
40 05 23 43-0915 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	184.80 27.19	45.32
40 05 23 43-0916 EA 3" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	203.49 31.43	52.41
40 05 23 43-0917 EA 4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	279.17 42.56	70.93
40 05 23 43-0918 EA 6" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	423.60 63.08	105.21
40 05 23 43-0919 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	799.14 79.27	123.30
40 05 23 43-0920 EA 10" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,234.67 92.48	143.85
40 05 23 43-0921 EA 12" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,720.26 105.69	164.41
40 05 23 43-0922 EA 14" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,284.96 132.11	205.51
40 05 23 43-0923 EA 16" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,064.76 158.53	246.61
40 05 23 43-0924 EA 18" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,175.02 184.96	287.71
40 05 23 43-0925 EA 20" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,390.54 224.64	349.36
40 05 23 43-0926 EA 24" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	9,942.18 290.51	452.11
40 05 23 43-0927 Slip-On Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0928 EA 1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	114.26 23.65	39.40
40 05 23 43-0929 EA 3/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	119.04 23.65	39.40
40 05 23 43-0930 EA 1" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	140.08 29.09	48.47
40 05 23 43-0931 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	154.73 31.44	52.41
40 05 23 43-0932 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	172.96 34.52	57.53
40 05 23 43-0933 EA 2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	203.14 37.79	63.05
40 05 23 43-0934 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	253.06 42.56	70.93
40 05 23 43-0935 EA 3" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	276.65 47.25	78.81
40 05 23 43-0936 EA 4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	378.00 63.35	105.60
40 05 23 43-0937 EA 6" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	573.45 94.42	157.62
40 05 23 43-0938 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,734.65 158.53	246.61
40 05 23 43-0939 Caps <small>(40 05 23 43-0813)</small>		
40 05 23 43-0940 EA 1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	58.88 10.88	18.13
40 05 23 43-0941 EA 3/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	65.17 11.82	19.71
40 05 23 43-0942 EA 1" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	81.37 15.61	26.01
40 05 23 43-0943 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	88.02 16.55	27.58
40 05 23 43-0944 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	98.27 18.92	31.52
40 05 23 43-0945 EA 2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	107.26 21.26	35.47

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0946	EA		2-1/2" Cap, Stainless Steel Schedule 5 Type 316.....	132.89	45.32
			<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-0947	EA		3" Cap, Stainless Steel Schedule 5 Type 316.....	151.71	52.41
			<i>For Work In Restricted Working Space, Add</i>	31.43	
40 05 23 43-0948	EA		4" Cap, Stainless Steel Schedule 5 Type 316.....	222.40	70.14
			<i>For Work In Restricted Working Space, Add</i>	42.07	
40 05 23 43-0949	EA		6" Cap, Stainless Steel Schedule 5 Type 316.....	294.79	105.21
			<i>For Work In Restricted Working Space, Add</i>	63.08	
40 05 23 43-0950			Reducing Tees (40 05 23 43-0913)		
40 05 23 43-0951	EA		3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	160.73	57.13
			<i>For Work In Restricted Working Space, Add</i>	28.62	
40 05 23 43-0952	EA		1" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	182.26	70.14
			<i>For Work In Restricted Working Space, Add</i>	35.07	
40 05 23 43-0953	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	218.83	78.81
			<i>For Work In Restricted Working Space, Add</i>	39.41	
40 05 23 43-0954	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	213.11	89.84
			<i>For Work In Restricted Working Space, Add</i>	44.92	
40 05 23 43-0955	EA		2" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	232.54	96.55
			<i>For Work In Restricted Working Space, Add</i>	48.27	
40 05 23 43-0956	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	354.45	105.21
			<i>For Work In Restricted Working Space, Add</i>	52.61	
40 05 23 43-0957	EA		3" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	334.17	126.10
			<i>For Work In Restricted Working Space, Add</i>	63.05	
40 05 23 43-0958	EA		4" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	441.80	157.62
			<i>For Work In Restricted Working Space, Add</i>	78.81	
40 05 23 43-0959	EA		6" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	837.46	180.08
			<i>For Work In Restricted Working Space, Add</i>	90.05	
40 05 23 43-0960	EA		8" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	1,565.27	246.61
			<i>For Work In Restricted Working Space, Add</i>	132.11	
40 05 23 43-0961	EA		10" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	2,543.51	328.81
			<i>For Work In Restricted Working Space, Add</i>	176.15	
40 05 23 43-0962	EA		12" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	3,382.66	493.22
			<i>For Work In Restricted Working Space, Add</i>	264.22	
40 05 23 43-0963	EA		14" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	4,323.27	592.68
			<i>For Work In Restricted Working Space, Add</i>	317.43	
40 05 23 43-0964	EA		16" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	4,787.31	722.97
			<i>For Work In Restricted Working Space, Add</i>	387.21	
40 05 23 43-0965	EA		18" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	5,818.51	920.67
			<i>For Work In Restricted Working Space, Add</i>	493.22	
40 05 23 43-0966	EA		20" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	9,010.43	1,211.26
			<i>For Work In Restricted Working Space, Add</i>	648.97	
40 05 23 43-0967	EA		24" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	13,835.67	1,840.51
			<i>For Work In Restricted Working Space, Add</i>	985.55	
40 05 23 43-0968			Type 316 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0969			Pipe (40 05 23 43-0968)		
40 05 23 43-0970	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	15.11	3.55
			<i>For Work In Restricted Working Space, Add</i>	2.13	
40 05 23 43-0971	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	17.94	4.34
			<i>For Work In Restricted Working Space, Add</i>	2.60	
40 05 23 43-0972	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	23.97	5.12
			<i>For Work In Restricted Working Space, Add</i>	3.05	
40 05 23 43-0973	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	29.22	6.39
			<i>For Work In Restricted Working Space, Add</i>	3.81	
40 05 23 43-0974	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	32.48	7.17
			<i>For Work In Restricted Working Space, Add</i>	4.30	
40 05 23 43-0975	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	40.16	8.90
			<i>For Work In Restricted Working Space, Add</i>	5.33	
40 05 23 43-0976	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	48.17	10.17
			<i>For Work In Restricted Working Space, Add</i>	6.09	
40 05 23 43-0977	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	57.01	11.42
			<i>For Work In Restricted Working Space, Add</i>	6.85	
40 05 23 43-0978	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	71.86	13.56
			<i>For Work In Restricted Working Space, Add</i>	8.11	
40 05 23 43-0979	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting.....	105.47	17.81
			<i>For Work In Restricted Working Space, Add</i>	10.65	
40 05 23 43-0980	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	174.40	31.40
			<i>For Work In Restricted Working Space, Add</i>	20.18	
40 05 23 43-0981	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	224.86	34.52
			<i>For Work In Restricted Working Space, Add</i>	22.19	
40 05 23 43-0982	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	270.26	38.39
			<i>For Work In Restricted Working Space, Add</i>	24.66	
40 05 23 43-0983	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	334.03	43.16
			<i>For Work In Restricted Working Space, Add</i>	27.74	
40 05 23 43-0984	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	367.10	49.33
			<i>For Work In Restricted Working Space, Add</i>	31.70	
40 05 23 43-0985	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	410.44	57.54
			<i>For Work In Restricted Working Space, Add</i>	36.99	
40 05 23 43-0986	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	573.97	69.05
			<i>For Work In Restricted Working Space, Add</i>	44.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0987 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	749.94 55.49	86.31
40 05 23 43-0988 90 Degree Elbows (40 05 23 43-0988)		
40 05 23 43-0989 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	104.22 26.95	44.92
40 05 23 43-0990 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	109.74 28.61	47.68
40 05 23 43-0991 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	119.20 31.44	52.41
40 05 23 43-0992 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	135.25 34.29	57.13
40 05 23 43-0993 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	152.76 37.80	63.05
40 05 23 43-0994 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	168.47 42.11	70.14
40 05 23 43-0995 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	219.31 53.84	89.84
40 05 23 43-0996 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	260.34 63.04	105.21
40 05 23 43-0997 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	345.49 75.53	126.10
40 05 23 43-0998 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	582.32 94.38	157.62
40 05 23 43-0999 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,139.29 158.53	246.61
40 05 23 43-1000 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,837.80 211.38	328.81
40 05 23 43-1001 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,834.65 317.07	493.22
40 05 23 43-1002 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,637.24 369.91	575.42
40 05 23 43-1003 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,540.83 421.95	657.62
40 05 23 43-1004 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,787.36 528.44	822.03
40 05 23 43-1005 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	9,597.87 739.82	1,150.84
40 05 23 43-1006 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,288.10 1,056.89	1,644.05
40 05 23 43-1007 45 Degree Elbows (40 05 23 43-0988)		
40 05 23 43-1008 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	110.12 26.95	44.92
40 05 23 43-1009 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.64 28.61	47.68
40 05 23 43-1010 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	125.10 31.44	52.41
40 05 23 43-1011 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	136.94 34.27	57.13
40 05 23 43-1012 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	149.36 37.85	63.05
40 05 23 43-1013 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	178.96 42.11	70.14
40 05 23 43-1014 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	218.54 53.89	89.84
40 05 23 43-1015 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	250.94 63.12	105.21
40 05 23 43-1016 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	323.37 75.60	126.10
40 05 23 43-1017 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	467.69 94.57	157.62
40 05 23 43-1018 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	995.00 158.53	246.61
40 05 23 43-1019 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,473.15 211.38	328.81
40 05 23 43-1020 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,282.81 317.07	493.22
40 05 23 43-1021 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,858.31 369.91	575.42
40 05 23 43-1022 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,542.56 421.95	657.62
40 05 23 43-1023 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,879.03 528.44	822.03
40 05 23 43-1024 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,437.77 739.82	1,150.84
40 05 23 43-1025 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,378.35 1,056.89	1,644.05
40 05 23 43-1026 Tees (40 05 23 43-0988)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1027 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316	162.45	57.13
For Work In Restricted Working Space, Add	34.25	
40 05 23 43-1028 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316	188.44	70.14
For Work In Restricted Working Space, Add	42.05	
40 05 23 43-1029 EA 1" Tees, Stainless Steel Schedule 10 Type 316	205.76	78.81
For Work In Restricted Working Space, Add	47.25	
40 05 23 43-1030 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316	232.79	89.84
For Work In Restricted Working Space, Add	53.91	
40 05 23 43-1031 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316	247.57	96.55
For Work In Restricted Working Space, Add	57.86	
40 05 23 43-1032 EA 2" Tees, Stainless Steel Schedule 10 Type 316	295.56	105.21
For Work In Restricted Working Space, Add	63.09	
40 05 23 43-1033 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316	356.59	126.10
For Work In Restricted Working Space, Add	75.60	
40 05 23 43-1034 EA 3" Tees, Stainless Steel Schedule 10 Type 316	463.66	157.62
For Work In Restricted Working Space, Add	94.69	
40 05 23 43-1035 EA 4" Tees, Stainless Steel Schedule 10 Type 316	515.20	177.32
For Work In Restricted Working Space, Add	106.29	
40 05 23 43-1036 EA 6" Tees, Stainless Steel Schedule 10 Type 316	920.10	236.43
For Work In Restricted Working Space, Add	141.84	
40 05 23 43-1037 EA 8" Tee, Stainless Steel Schedule 10 Type 316	1,559.98	328.81
For Work In Restricted Working Space, Add	211.38	
40 05 23 43-1038 EA 10" Tee, Stainless Steel Schedule 10 Type 316	2,285.53	493.22
For Work In Restricted Working Space, Add	317.07	
40 05 23 43-1039 EA 12" Tee, Stainless Steel Schedule 10 Type 316	3,983.16	616.52
For Work In Restricted Working Space, Add	396.33	
40 05 23 43-1040 EA 14" Tee, Stainless Steel Schedule 10 Type 316	5,075.57	739.82
For Work In Restricted Working Space, Add	476.28	
40 05 23 43-1041 EA 16" Tee, Stainless Steel Schedule 10 Type 316	5,656.76	904.23
For Work In Restricted Working Space, Add	581.01	
40 05 23 43-1042 EA 18" Tee, Stainless Steel Schedule 10 Type 316	6,902.83	1,150.84
For Work In Restricted Working Space, Add	739.82	
40 05 23 43-1043 EA 20" Tee, Stainless Steel Schedule 10 Type 316	10,533.66	1,520.75
For Work In Restricted Working Space, Add	973.45	
40 05 23 43-1044 EA 24" Tee, Stainless Steel Schedule 10 Type 316	16,155.88	2,301.67
For Work In Restricted Working Space, Add	1,479.64	
40 05 23 43-1045 Reducers (40 05 23 43-0968)		
40 05 23 43-1046 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316	123.43	43.34
For Work In Restricted Working Space, Add	26.03	
40 05 23 43-1047 EA 1" Reducer, Stainless Steel Schedule 10 Type 316	136.92	47.29
For Work In Restricted Working Space, Add	28.37	
40 05 23 43-1048 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316	170.94	52.41
For Work In Restricted Working Space, Add	31.44	
40 05 23 43-1049 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316	142.51	57.13
For Work In Restricted Working Space, Add	34.26	
40 05 23 43-1050 EA 2" Reducer, Stainless Steel Schedule 10 Type 316	156.79	63.05
For Work In Restricted Working Space, Add	37.83	
40 05 23 43-1051 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316	204.09	78.81
For Work In Restricted Working Space, Add	47.28	
40 05 23 43-1052 EA 3" Reducer, Stainless Steel Schedule 10 Type 316	225.49	89.84
For Work In Restricted Working Space, Add	53.84	
40 05 23 43-1053 EA 4" Reducer, Stainless Steel Schedule 10 Type 316	262.19	105.21
For Work In Restricted Working Space, Add	63.08	
40 05 23 43-1054 EA 6" Reducer, Stainless Steel Schedule 10 Type 316	338.52	133.98
For Work In Restricted Working Space, Add	80.32	
40 05 23 43-1055 EA 8" Reducer, Stainless Steel Schedule 10 Type 316	747.26	197.28
For Work In Restricted Working Space, Add	126.83	
40 05 23 43-1056 EA 10" Reducer, Stainless Steel Schedule 10 Type 316	979.76	246.61
For Work In Restricted Working Space, Add	158.53	
40 05 23 43-1057 EA 12" Reducer, Stainless Steel Schedule 10 Type 316	1,302.12	328.81
For Work In Restricted Working Space, Add	211.38	
40 05 23 43-1058 EA 14" Reducer, Stainless Steel Schedule 10 Type 316	1,730.66	431.56
For Work In Restricted Working Space, Add	277.43	
40 05 23 43-1059 EA 16" Reducer, Stainless Steel Schedule 10 Type 316	2,059.28	493.22
For Work In Restricted Working Space, Add	316.43	
40 05 23 43-1060 EA 18" Reducer, Stainless Steel Schedule 10 Type 316	2,558.43	616.52
For Work In Restricted Working Space, Add	396.33	
40 05 23 43-1061 EA 20" Reducer, Stainless Steel Schedule 10 Type 316	3,903.78	822.03
For Work In Restricted Working Space, Add	528.44	
40 05 23 43-1062 EA 24" Reducer, Stainless Steel Schedule 10 Type 316	6,133.89	1,233.04
For Work In Restricted Working Space, Add	792.67	
40 05 23 43-1063 Flanges (40 05 23 43-0968)		
40 05 23 43-1064 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 316	72.09	18.13
For Work In Restricted Working Space, Add	10.88	
40 05 23 43-1065 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 316	75.24	19.71
For Work In Restricted Working Space, Add	11.82	
40 05 23 43-1066 EA 1" Flanges, Stainless Steel Schedule 10 Type 316	88.65	26.40
For Work In Restricted Working Space, Add	15.85	
40 05 23 43-1067 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 316	99.36	27.58
For Work In Restricted Working Space, Add	16.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1068 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	115.61 18.92	31.52
40 05 23 43-1069 EA 2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	138.98 21.26	35.47
40 05 23 43-1070 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	189.77 27.19	45.32
40 05 23 43-1071 EA 3" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	208.68 31.42	52.41
40 05 23 43-1072 EA 4" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	286.42 42.56	70.93
40 05 23 43-1073 EA 6" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	434.79 63.07	105.21
40 05 23 43-1074 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	827.30 79.27	123.30
40 05 23 43-1075 EA 10" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,283.43 92.48	143.85
40 05 23 43-1076 EA 12" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,792.26 105.69	164.41
40 05 23 43-1077 EA 14" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,382.05 132.11	205.51
40 05 23 43-1078 EA 16" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,198.25 158.53	246.61
40 05 23 43-1079 EA 18" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,309.68 184.96	287.71
40 05 23 43-1080 EA 20" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,582.21 224.64	349.36
40 05 23 43-1081 EA 24" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,414.48 290.51	452.11
40 05 23 43-1082 Slip-On Flanges <small>(40 05 23 43-0968)</small>		
40 05 23 43-1083 EA 1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	116.13 23.65	39.40
40 05 23 43-1084 EA 3/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	121.15 23.65	39.40
40 05 23 43-1085 EA 1" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	142.35 29.09	48.47
40 05 23 43-1086 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	157.36 31.44	52.41
40 05 23 43-1087 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	176.00 34.52	57.53
40 05 23 43-1088 EA 2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	207.24 37.80	63.05
40 05 23 43-1089 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	258.93 42.56	70.93
40 05 23 43-1090 EA 3" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	282.94 47.25	78.81
40 05 23 43-1091 EA 4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	386.82 63.37	105.60
40 05 23 43-1092 EA 6" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	587.27 94.48	157.62
40 05 23 43-1093 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,798.14 158.53	246.61
40 05 23 43-1094 Caps <small>(40 05 23 43-0968)</small>		
40 05 23 43-1095 EA 1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	60.07 10.88	18.13
40 05 23 43-1096 EA 3/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	66.52 11.82	19.71
40 05 23 43-1097 EA 1" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	82.92 15.61	26.01
40 05 23 43-1098 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	89.75 16.55	27.58
40 05 23 43-1099 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	100.13 18.92	31.52
40 05 23 43-1100 EA 2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	109.19 21.26	35.47
40 05 23 43-1101 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	135.12 27.19	45.32
40 05 23 43-1102 EA 3" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	154.17 31.42	52.41
40 05 23 43-1103 EA 4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	226.78 42.08	70.14
40 05 23 43-1104 EA 6" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	299.20 63.07	105.21
40 05 23 43-1105 Reducing Tees <small>(40 05 23 43-0968)</small>		
40 05 23 43-1106 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	165.92 28.62	57.13
40 05 23 43-1107 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	205.18 35.07	70.14

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1108 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	228.56 39.41	78.81
40 05 23 43-1109 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	255.88 44.92	89.84
40 05 23 43-1110 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	285.49 48.27	96.55
40 05 23 43-1111 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	425.32 52.61	105.21
40 05 23 43-1112 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	426.47 63.05	126.10
40 05 23 43-1113 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	527.55 78.81	157.62
40 05 23 43-1114 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	953.72 90.05	180.08
40 05 23 43-1115 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,690.25 132.11	246.61
40 05 23 43-1116 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,662.20 176.15	328.81
40 05 23 43-1117 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,770.45 264.22	493.22
40 05 23 43-1118 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,154.61 317.43	592.68
40 05 23 43-1119 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,726.30 387.21	722.97
40 05 23 43-1120 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	8,126.89 493.22	920.67
40 05 23 43-1121 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,800.35 648.97	1,211.42
40 05 23 43-1122 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	16,162.10 985.55	1,840.35
40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-1124 Pipe (40 05 23 43-1123)		
40 05 23 43-1125 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	17.25 2.13	3.55
40 05 23 43-1126 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.93 2.60	4.34
40 05 23 43-1127 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	25.74 3.05	5.12
40 05 23 43-1128 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	32.17 3.81	6.30
40 05 23 43-1129 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	37.12 4.30	7.09
40 05 23 43-1130 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	47.69 5.33	9.07
40 05 23 43-1131 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	59.54 6.09	10.24
40 05 23 43-1132 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	57.39 6.85	11.42
40 05 23 43-1133 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	96.91 8.11	13.39
40 05 23 43-1134 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	152.25 10.65	17.73
40 05 23 43-1135 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	267.39 20.18	31.24
40 05 23 43-1136 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	340.83 22.19	34.52
40 05 23 43-1137 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	426.88 24.66	38.22
40 05 23 43-1138 90 Degree Elbows (40 05 23 43-1123)		
40 05 23 43-1139 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	110.67 26.95	44.92
40 05 23 43-1140 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	116.19 28.61	47.68
40 05 23 43-1141 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	128.47 31.44	52.41
40 05 23 43-1142 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	149.68 34.29	57.13
40 05 23 43-1143 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	155.50 37.80	63.05
40 05 23 43-1144 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	179.71 42.11	70.14
40 05 23 43-1145 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	261.45 53.84	89.84
40 05 23 43-1146 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	321.39 63.04	105.21
40 05 23 43-1147 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	448.52 75.53	126.10
40 05 23 43-1148 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	970.38 94.38	157.62



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1149	EA			8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,629.23 158.53	246.61
40 05 23 43-1150	EA			10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,034.98 211.38	328.81
40 05 23 43-1151	EA			12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,277.28 317.07	493.22
40 05 23 43-1152 45 Degree Elbows <small>(40 05 23 43-1123)</small>						
40 05 23 43-1153	EA			1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	119.34 26.95	44.92
40 05 23 43-1154	EA			3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.86 28.61	47.68
40 05 23 43-1155	EA			1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	134.32 31.44	52.41
40 05 23 43-1156	EA			1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	143.74 34.27	57.13
40 05 23 43-1157	EA			1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	165.50 37.85	63.05
40 05 23 43-1158	EA			2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	181.70 42.11	70.14
40 05 23 43-1159	EA			2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	258.08 53.89	89.84
40 05 23 43-1160	EA			3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	288.86 63.12	105.21
40 05 23 43-1161	EA			4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	390.19 75.60	126.10
40 05 23 43-1162	EA			6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	708.71 94.57	157.62
40 05 23 43-1163	EA			8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,254.49 158.53	246.61
40 05 23 43-1164	EA			10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,098.14 211.38	328.81
40 05 23 43-1165	EA			12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,860.31 317.07	493.22
40 05 23 43-1166 Tees <small>(40 05 23 43-1123)</small>						
40 05 23 43-1167	EA			1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	183.27 34.25	57.13
40 05 23 43-1168	EA			3/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	209.26 42.05	70.14
40 05 23 43-1169	EA			1" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	226.58 47.25	78.81
40 05 23 43-1170	EA			1-1/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	290.94 53.91	89.84
40 05 23 43-1171	EA			1-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	261.95 57.86	96.55
40 05 23 43-1172	EA			2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	282.90 63.09	105.21
40 05 23 43-1173	EA			2-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	448.75 75.60	126.10
40 05 23 43-1174	EA			3" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	472.56 94.69	157.62
40 05 23 43-1175	EA			4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	567.43 106.29	177.32
40 05 23 43-1176	EA			6" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,112.20 141.84	236.43
40 05 23 43-1177	EA			8" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,426.04 211.38	328.81
40 05 23 43-1178	EA			10" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,335.84 317.07	493.22
40 05 23 43-1179	EA			12" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,419.79 396.33	616.52
40 05 23 43-1180 Reducers <small>(40 05 23 43-1123)</small>						
40 05 23 43-1181	EA			3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	127.83 26.03	43.34
40 05 23 43-1182	EA			1" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	141.99 28.36	47.29
40 05 23 43-1183	EA			1-1/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	178.87 31.44	52.41
40 05 23 43-1184	EA			1-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	145.93 34.26	57.13
40 05 23 43-1185	EA			2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	160.50 37.84	63.05
40 05 23 43-1186	EA			2-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	209.70 47.29	78.81
40 05 23 43-1187	EA			3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	230.98 53.83	89.84
40 05 23 43-1188	EA			4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	268.42 63.08	105.21

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1189	EA		6" Reducer, Stainless Steel Schedule 40 Type 316.....	346.99	133.98
			<i>For Work In Restricted Working Space, Add</i>	80.31	
40 05 23 43-1190	EA		8" Reducer, Stainless Steel Schedule 40 Type 316.....	786.19	197.28
			<i>For Work In Restricted Working Space, Add</i>	126.83	
40 05 23 43-1191	EA		10" Reducer, Stainless Steel Schedule 40 Type 316.....	1,033.91	246.61
			<i>For Work In Restricted Working Space, Add</i>	158.53	
40 05 23 43-1192	EA		12" Reducer, Stainless Steel Schedule 40 Type 316.....	1,373.83	328.81
			<i>For Work In Restricted Working Space, Add</i>	211.38	
40 05 23 43-1193			Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1194	EA		1/2" Flanges, Stainless Steel Schedule 40 Type 316.....	76.39	18.13
			<i>For Work In Restricted Working Space, Add</i>	10.88	
40 05 23 43-1195	EA		3/4" Flanges, Stainless Steel Schedule 40 Type 316.....	79.54	19.71
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-1196	EA		1" Flanges, Stainless Steel Schedule 40 Type 316.....	92.95	26.40
			<i>For Work In Restricted Working Space, Add</i>	15.85	
40 05 23 43-1197	EA		1-1/4" Flanges, Stainless Steel Schedule 40 Type 316.....	104.66	27.58
			<i>For Work In Restricted Working Space, Add</i>	16.55	
40 05 23 43-1198	EA		1-1/2" Flanges, Stainless Steel Schedule 40 Type 316.....	121.91	31.52
			<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-1199	EA		2" Flanges, Stainless Steel Schedule 40 Type 316.....	147.15	35.47
			<i>For Work In Restricted Working Space, Add</i>	21.26	
40 05 23 43-1200	EA		2-1/2" Flanges, Stainless Steel Schedule 40 Type 316.....	201.66	45.32
			<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-1201	EA		3" Flanges, Stainless Steel Schedule 40 Type 316.....	221.15	52.41
			<i>For Work In Restricted Working Space, Add</i>	31.42	
40 05 23 43-1202	EA		4" Flanges, Stainless Steel Schedule 40 Type 316.....	303.76	70.93
			<i>For Work In Restricted Working Space, Add</i>	42.56	
40 05 23 43-1203	EA		6" Flanges, Stainless Steel Schedule 40 Type 316.....	461.74	105.21
			<i>For Work In Restricted Working Space, Add</i>	63.07	
40 05 23 43-1204	EA		8" Flange, Stainless Steel Schedule 40 Type 316.....	894.87	123.30
			<i>For Work In Restricted Working Space, Add</i>	79.27	
40 05 23 43-1205	EA		10" Flange, Stainless Steel Schedule 40 Type 316.....	1,400.45	143.85
			<i>For Work In Restricted Working Space, Add</i>	92.48	
40 05 23 43-1206	EA		12" Flange, Stainless Steel Schedule 40 Type 316.....	1,965.05	164.41
			<i>For Work In Restricted Working Space, Add</i>	105.69	
40 05 23 43-1207			Slip-On Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1208	EA		1/2" Flange, Stainless Steel Schedule 40 Type 316.....	120.60	39.40
			<i>For Work In Restricted Working Space, Add</i>	23.65	
40 05 23 43-1209	EA		3/4" Flange, Stainless Steel Schedule 40 Type 316.....	126.23	39.40
			<i>For Work In Restricted Working Space, Add</i>	23.65	
40 05 23 43-1210	EA		1" Flange, Stainless Steel Schedule 40 Type 316.....	147.80	48.47
			<i>For Work In Restricted Working Space, Add</i>	29.09	
40 05 23 43-1211	EA		1-1/4" Flange, Stainless Steel Schedule 40 Type 316.....	163.66	52.41
			<i>For Work In Restricted Working Space, Add</i>	31.44	
40 05 23 43-1212	EA		1-1/2" Flange, Stainless Steel Schedule 40 Type 316.....	183.31	57.53
			<i>For Work In Restricted Working Space, Add</i>	34.52	
40 05 23 43-1213	EA		2" Flange, Stainless Steel Schedule 40 Type 316.....	216.98	63.05
			<i>For Work In Restricted Working Space, Add</i>	37.80	
40 05 23 43-1214	EA		2-1/2" Flange, Stainless Steel Schedule 40 Type 316.....	272.98	70.93
			<i>For Work In Restricted Working Space, Add</i>	42.56	
40 05 23 43-1215	EA		3" Flange, Stainless Steel Schedule 40 Type 316.....	297.99	78.81
			<i>For Work In Restricted Working Space, Add</i>	47.25	
40 05 23 43-1216	EA		4" Flange, Stainless Steel Schedule 40 Type 316.....	407.89	105.60
			<i>For Work In Restricted Working Space, Add</i>	63.37	
40 05 23 43-1217	EA		6" Flange, Stainless Steel Schedule 40 Type 316.....	619.95	157.62
			<i>For Work In Restricted Working Space, Add</i>	94.48	
40 05 23 43-1218	EA		8" Flange, Stainless Steel Schedule 40 Type 316.....	1,950.50	246.61
			<i>For Work In Restricted Working Space, Add</i>	158.53	
40 05 23 43-1219			Caps <small>(40 05 23 43-1123)</small>		
40 05 23 43-1220	EA		1/2" Cap, Stainless Steel Schedule 40 Type 316.....	62.92	18.13
			<i>For Work In Restricted Working Space, Add</i>	10.88	
40 05 23 43-1221	EA		3/4" Cap, Stainless Steel Schedule 40 Type 316.....	69.78	19.71
			<i>For Work In Restricted Working Space, Add</i>	11.82	
40 05 23 43-1222	EA		1" Cap, Stainless Steel Schedule 40 Type 316.....	86.63	26.01
			<i>For Work In Restricted Working Space, Add</i>	15.61	
40 05 23 43-1223	EA		1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....	93.90	27.58
			<i>For Work In Restricted Working Space, Add</i>	16.55	
40 05 23 43-1224	EA		1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	104.58	31.52
			<i>For Work In Restricted Working Space, Add</i>	18.92	
40 05 23 43-1225	EA		2" Cap, Stainless Steel Schedule 40 Type 316.....	113.78	35.47
			<i>For Work In Restricted Working Space, Add</i>	21.26	
40 05 23 43-1226	EA		2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	140.46	45.32
			<i>For Work In Restricted Working Space, Add</i>	27.19	
40 05 23 43-1227	EA		3" Cap, Stainless Steel Schedule 40 Type 316.....	160.10	52.41
			<i>For Work In Restricted Working Space, Add</i>	31.42	
40 05 23 43-1228	EA		4" Cap, Stainless Steel Schedule 40 Type 316.....	237.16	70.14
			<i>For Work In Restricted Working Space, Add</i>	42.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1229 EA 6" Cap, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	309.87 63.07	105.21
40 05 23 43-1230 Reducing Tees <small>(40 05 23 43-1123)</small>		
40 05 23 43-1231 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	171.13 28.54	57.13
40 05 23 43-1232 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	192.77 35.03	70.14
40 05 23 43-1233 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	207.25 39.38	78.81
40 05 23 43-1234 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	272.05 44.90	89.84
40 05 23 43-1235 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	236.65 48.20	96.55
40 05 23 43-1236 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	255.09 52.57	105.21
40 05 23 43-1237 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	426.36 62.99	126.10
40 05 23 43-1238 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	435.73 78.94	157.62
40 05 23 43-1239 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	529.74 88.59	177.32
40 05 23 43-1240 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,097.06 118.12	236.43
40 05 23 43-1241 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,480.75 176.15	328.81
40 05 23 43-1242 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,487.58 264.22	493.22
40 05 23 43-1243 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,609.47 330.28	616.52
40 05 23 43-1244 Valves <small>(40 05 23 43-0231)</small>		
40 05 23 43-1245 Gate Valves, Class 150 <small>(40 05 23 43-1244)</small>		
40 05 23 43-1246 EA 1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	503.67 24.10 -113.24 397.94	40.17
40 05 23 43-1247 EA 3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	540.24 25.37 -121.90 428.35	42.28
40 05 23 43-1248 EA 1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	639.00 25.37 -148.31 521.17	42.28
40 05 23 43-1249 EA 1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	820.63 33.74 -189.44 665.68	56.23
40 05 23 43-1250 EA 1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	926.23 42.36 -210.00 737.93	70.60
40 05 23 43-1251 EA 2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,116.75 56.32 -248.51 873.28	93.85
40 05 23 43-1252 EA 2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,627.87 72.56 1,302.86	120.91
40 05 23 43-1253 EA 3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,835.43 84.44 1,460.73	140.78
40 05 23 43-1254 EA 4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,348.00 108.03 1,868.63	180.10
40 05 23 43-1255 EA 6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,878.20 126.83 3,248.11	211.38
40 05 23 43-1256 EA 8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,390.02 144.78 7,432.97	241.40
40 05 23 43-1257 EA 10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	11,830.14 177.63 10,563.75	295.93
40 05 23 43-1258 EA 12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	17,820.20 215.18 16,076.74	358.50
40 05 23 43-1259 Globe Valves, Class 150 <small>(40 05 23 43-1244)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1260 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	678.33	40.17
For Work In Restricted Working Space, Add	24.09	
For Class 200, Deduct	-159.97	
For Class 300, Add	562.15	
40 05 23 43-1261 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	743.24	42.28
For Work In Restricted Working Space, Add	25.37	
For Class 200, Deduct	-176.20	
For Class 300, Add	619.17	
40 05 23 43-1262 EA 1" Globe Valve, Stainless Steel, Flanged.....	903.45	44.39
For Work In Restricted Working Space, Add	26.63	
For Class 200, Deduct	-217.93	
For Class 300, Add	765.82	
40 05 23 43-1263 EA 1-1/2" Globe Valve, Stainless Steel, Flanged.....	1,354.54	70.60
For Work In Restricted Working Space, Add	42.35	
For Class 200, Deduct	-324.58	
For Class 300, Add	1,140.58	
40 05 23 43-1264 EA 2" Globe Valve, Stainless Steel, Flanged.....	1,669.78	93.85
For Work In Restricted Working Space, Add	56.31	
For Class 200, Deduct	-396.45	
For Class 300, Add	1,393.15	
40 05 23 43-1265 EA 2-1/2" Globe Valve, Stainless Steel, Flanged.....	3,361.89	120.91
For Work In Restricted Working Space, Add	72.52	
For Class 300, Add	2,932.94	
40 05 23 43-1266 EA 3" Globe Valve, Stainless Steel, Flanged.....	3,488.28	140.78
For Work In Restricted Working Space, Add	84.44	
For Class 300, Add	3,014.41	
40 05 23 43-1267 EA 4" Globe Valve, Stainless Steel, Flanged.....	4,086.93	180.10
For Work In Restricted Working Space, Add	108.03	
For Class 300, Add	3,503.22	
40 05 23 43-1268 EA 6" Globe Valve, Stainless Steel, Flanged.....	7,486.41	211.38
For Work In Restricted Working Space, Add	126.83	
For Class 300, Add	6,639.83	
40 05 23 43-1269 Check Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1270 EA 2-1/2" Check Valve, Stainless Steel, Flanged.....	1,561.24	120.91
For Work In Restricted Working Space, Add	72.52	
For Class 300, Add	1,240.33	
40 05 23 43-1271 EA 3" Check Valve, Stainless Steel, Flanged.....	1,642.11	140.78
For Work In Restricted Working Space, Add	84.44	
For Class 300, Add	1,279.01	
40 05 23 43-1272 EA 4" Check Valve, Stainless Steel, Flanged.....	2,477.67	180.10
For Work In Restricted Working Space, Add	108.03	
For Class 300, Add	1,990.52	
40 05 23 43-1273 EA 6" Check Valve, Stainless Steel, Flanged.....	4,207.36	211.38
For Work In Restricted Working Space, Add	126.83	
For Class 300, Add	3,557.52	
40 05 23 43-1274 EA 8" Check Valve, Stainless Steel, Flanged.....	7,330.92	241.40
For Work In Restricted Working Space, Add	144.78	
For Class 300, Add	6,437.42	
40 05 23 43-1275 Type 316 Seamless Annealed Tubing (40 05 23 43)		
Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1276 Type 316 Seamless Annealed Tubing (40 05 23 43-1275)		
40 05 23 43-1277 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	14.98	
40 05 23 43-1278 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	18.49	
40 05 23 43-1279 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	22.33	
40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1275)		
Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1281 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	49.98	
40 05 23 43-1282 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	53.82	
40 05 23 43-1283 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules.....	82.60	
40 05 23 43-1284 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	46.28	
40 05 23 43-1285 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	76.40	
40 05 23 43-1286 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	57.45	
40 05 23 43-1287 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	71.70	
40 05 23 43-1288 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	110.43	
40 05 23 43-1289 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	70.31	
40 05 23 43-1290 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	108.43	
40 05 23 43-1291 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	68.66	
40 05 23 43-1292 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	88.94	
40 05 23 43-1293 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	147.45	
40 05 23 43-1294 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	121.88	
40 05 23 43-1295 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	150.00	
40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1275)		
40 05 23 43-1297 Needle Valves (40 05 23 43-1296)		
40 05 23 43-1298 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	280.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1299 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	446.88	
40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG <small>(40 05 23 43-1296)</small>		
40 05 23 43-1301 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	269.31	
40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI <small>(40 05 23 43-1296)</small>		
40 05 23 43-1303 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,123.71	
40 05 23 43-1304 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	280.21	
40 05 23 43-1305 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	53.21	

END OF SECTION 40

40 Process Interconnections**40 05 Common Work Results For Process Interconnections**

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 Process Gas and Liquid Handling, Purification, and Storage Equipment		
43 20 Liquid Handling Equipment ⁽⁴³⁾		
43 23 Dry Location Liquid Pumps ^(43 20)		
43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)		
43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)		
43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)		
43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	2,473.91	
43 24 Suspended Liquid Pumps ^(43 20)		
43 24 41 Archimedes Screw Pumps ^(43 24)		
43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)		
43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)		
43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	2,044.87	
43 40 Gas and Liquid Storage ⁽⁴³⁾		
43 41 Non-pressurized Tanks And Vessels ^(43 40)		
43 41 31 Metallic Specialty Tanks ^(43 41)		
43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)		
43 41 31 00-0002 EA 250 Gallon LP Gas Storage Tank	1,871.31	48.63
43 41 31 00-0003 EA 500 Gallon LP Gas Storage Tank	2,547.84	58.36
43 41 31 00-0004 EA 1,000 Gallon LP Gas Storage Tank	4,433.35	68.07

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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